

NATIONALISED BANKS & IBPS PO/MT/SO EXAMS

Directions (1-5) : Study the following information carefully and answer the questions given below :

(Canara Bank PO Exam. 09.02.2003)

P, Q, R, S, T, V and W are seven friends left for seven different destinations—Delhi, Chennai, Hyderabad, Bangalore, Kolkata, Chandigarh and Jaipur—each one on a different day of the week. R left for Jaipur on Monday. On the last day of the week the person left for Bangalore. T left the next day of P who left for Chandigarh and on the previous day of W. S left for Kolkata on Friday. Q did not leave for either Hyderabad or Bangalore and W left for Delhi.

- On which day of the week did Q leave?
(1) Sunday (2) Saturday
(3) Wednesday (4) Data inadequate
(5) None of these
- Who left for Bangalore?
(1) T (2) P
(3) V
(4) Data inadequate
(5) None of these
- On which day of the week did T leave?
(1) Tuesday (2) Thursday
(3) Sunday (4) Wednesday
(5) None of these
- Which of the following combinations of person-place is NOT correct?
(1) R—Jaipur (2) P—Chandigarh
(3) T—Hyderabad
(4) V—Bangalore
(5) All are correct
- Who left on Tuesday?
(1) P (2) W
(3) Q (4) V
(5) None of these

Directions (6-10) : Study the following information carefully and answer the questions given below :

(Canara Bank PO Exam. 09.02.2003)

A, B, C, D, E, F and G are seven persons who travel to office everyday by a particular train which stops at five stations—I, II, III, IV and V respectively after it leaves base station. Three among them get in the train at the base station. D gets down at the next station at which F gets down. B does not get down either with A or E. G alone gets in at station III and gets down with C after one station. A travels between only two stations and gets down at station V. None of them gets in at station II. C gets in with F but does not get in with either B or D. E gets in with two others and gets down alone after D. B and D work in the same office and they get down together at station III. None of them gets down at station I.

- At which station does E get down?
(1) II (2) III
(3) IV (4) Data inadequate
(5) None of these
- At which station do C and F get in?
(1) I
(2) II
(3) III
(4) Data inadequate
(5) None of these
- At which of the following stations do B and D get in?
(1) I (2) Base station
(3) III (4) Data inadequate
(5) None of these
- After how many stations does E get down?
(1) One (2) Two
(3) Three (4) Four
(5) Five
- E gets down after how many stations at which F gets down?
(1) Next station
(2) Two (3) Three
(4) Four (5) None of these

Directions (11-15) : Study the following information carefully and answer the questions given below :

(Syndicate Bank PO Exam. 10.10.2004)

B, M, T, R, K, H and D are travelling in a train compartment with III-tier sleeper berth. Each of them has a different profession of Engineer, Doctor, Architect, Pharmacist, Lawyer, Journalist and Pathologist. They occupied two lower berths, three middle berths and two upper berths. B, the Engineer is not on the upper berth. The Architect is the only other person who occupies the same type of berth as that of B. M and H are not on the middle berth and their professions are Pathologist and Lawyer respectively. T is a Pharmacist. D is neither a Journalist nor an Architect. K occupies same type of berth as that of the Doctor.

- What is D's profession?
(1) Doctor (2) Engineer
(3) Lawyer (4) Pharmacist
(5) Data inadequate
- Which of the following group occupies middle berth?
(1) DKR (2) DH
(3) HKT (4) DK
(5) None of these
- Which of the following combination of person-berth-profession is correct?
(1) R-Lower-Journalist
(2) R-Lower-Architect
(3) D-Upper-Doctor
(4) K-Upper-Lawyer
(5) All correct
- Which of the following pairs occupy the lower berth?
(1) BD (2) BK
(3) BT
(4) Data inadequate
(5) None of these
- Who is the Architect?
(1) D (2) H
(3) R
(4) Data inadequate
(5) None of these

Directions (16-20) : Study the following information carefully to answer the questions given below :

(Union Bank of India PO Exam. 27.11.2005)

Seven friends P, F, R, T, Q, N and D are studying different specializations IT, Civil, HR, Marketing, Finance, Journalism and Pharmacy not necessarily in the same order. Each one of them have liking for a different colour red, blue, green, yellow, pink, orange and grey not necessarily in the same order. Three of them are girls.

P likes yellow colour but does not study IT or HR. The one who studies Civil, likes grey colour and is a girl. Q, who is sister of N, studies Marketing and likes pink colour. D's specialisation is in pharmacy and likes red colour. N, the wife of R studies HR and likes green. F likes grey and R likes orange, the one who likes blue studies Finance.

16. Who is studying Civil Engineering ?

- (1) P
- (2) T
- (3) F
- (4) Cannot be determined
- (5) None of these

17. Which of the following is the group of girls ?

- (1) F, D, N
- (2) F, Q, N
- (3) Q, N, P
- (4) Cannot be determined
- (5) None of these

18. Which subject is studied by R ?

- (1) Civil
- (2) Finance
- (3) Journalism
- (4) Cannot be determined
- (5) None of these

19. Who is studying Journalism ?

- (1) P
- (2) Q
- (3) R
- (4) Cannot be determined
- (5) None of these

20. Which of the following combinations of person - colour and subject is correct ?

- (1) Blue-T-Marketing
- (2) Pink-N-HR
- (3) Orange-R-Civil
- (4) Blue-T-Finance
- (5) None of these

Directions (21-25) : In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and

the questions below the row of numbers are to be answered. The operations of numbers progress from left to right.

(Union Bank of India PO Exam. 27.11.2005)

Rules : (i) If an odd number is followed by another odd number which is a perfect square then they are to be added.

(ii) If an even number is followed by an odd number or an odd number is followed by an even number, they are to be multiplied.

(iii) If an even number is followed by another even number, the first number is to be divided by the second number.

(iv) If an even number which is a multiple of 5 is followed by an odd number which is also a multiple of 5, then second member is to be subtracted from the first number.

21. 248 8 25

3 x 28

If x is the resultant of the first row, what is the resultant of the second row ?

- (1) 12
- (2) 6
- (3) 18
- (4) 16
- (5) None of these

22. 24 3 18 2
17 81 14 8

What is the product of the resultants of the two rows ?

- (1) 108
- (2) 102
- (3) 98
- (4) 128
- (5) None of these

23. 50 15 6
n 125 2

If n is the resultant of the first row, what is the resultant of the second row ?

- (1) 130
- (2) 85
- (3) 170
- (4) 470
- (5) None of these

24. 9 121 10
m 12 26

If m is the resultant of the first row, what is the resultant of the second row ?

- (1) 6
- (2) 130
- (3) 13
- (4) Cannot be determined
- (5) None of these

25. 18 7 6
140 85 49

What is the sum of the resultants of the two rows ?

- (1) 104
- (2) 55
- (3) 121
- (4) 125
- (5) None of these

26. In a class, two-third of the students play football, half of the remaining play both football and cricket and the remaining ten students play only cricket. How many students play both football and cricket ?

- (1) 30
- (2) 10
- (3) 40
- (4) 20
- (5) Cannot be determined

(Corporation Bank PO Exam. 09.07.2006)

Directions (27-31) : Study the following information carefully and answer the questions given below :

(Corporation Bank PO Exam. 09.07.2006)

P, Q, R, S, T, V, W and Z are eight friends studying in three different engineering colleges - A, B and C in three disciplines - Mechanical, Electrical and Electronics with not less than two and not more than three in any college. Not more than three of them study in any of the three disciplines. W studies Electrical in college B with only T who studies Mechanical. P and Z do not study in college C and study in same discipline but not Electrical. R studies Mechanical in college C with V who studies Electrical. S studies Mechanical and does not study in the same college where R studies. Q does not study Electronics.

27. Which of the following combinations of college-student-specialization is correct ?

- (1) C-R-Electronics
- (2) A-Z-Electrical
- (3) B-W-Electronics
- (4) B-W-Electrical
- (5) B-Z-Electronics

28. In which of the following colleges two students study in Electrical discipline ?

- (1) A only
- (2) B only
- (3) C only
- (4) Cannot be determined
- (5) None of these

29. In which discipline does Q study?

- (1) Electrical
- (2) Mechanical
- (3) Electrical or Mechanical
- (4) Data inadequate
- (5) None of these

30. In which of the colleges at least one student studies in Mechanical discipline?

- (1) A only
- (2) B only
- (3) C only
- (4) Both A and B
- (5) All A, B and C

31. S studies in which college?

- (1) A
- (2) B
- (3) A or B
- (4) Data inadequate
- (5) None of these

Directions (32-36) : Study the following information carefully to answer these questions :

(Bank Of Maharashtra PO Exam. 25.05.2008)

Seven candidates- Harish, Samir, Nilesh, Shallaja, Nikita, Laxman and Sujata are- to be interviewed for selection as Trainee Officers by different panels I to VII for different companies A, B, C, D, E, F and G not necessarily in the same order.

Nilesh is interviewed by panel IV for Company A. Samir is interviewed by panel III but not for company C or D. Harish is interviewed for company B but not by panel I or II. Nikita is interviewed by panel VI for company E. Panel VII conducts the interview for company F. Shallaja is interviewed by panel I but not for company C. Panel II does not interview Laxman.

32. Shallaja is interviewed for which company?

- (1) A
- (2) G
- (3) F
- (4) D
- (5) None of these

33. Panel II conducts interview for which company?

- (1) C
- (2) F
- (3) G
- (4) B
- (5) None of these

34. Who among the following is interviewed for company G?

- (1) Nikita
- (2) Samir
- (3) Shallaja
- (4) Laxman
- (5) None of these

35. Who among the following is interviewed for company F?

- (1) Shallaja
- (2) Sujata
- (3) Laxman
- (4) Cannot be determined
- (5) None of these

36. Which candidate is interviewed by panel V?

- (1) Harish
- (2) Laxman
- (3) Sujata
- (4) Shallaja
- (5) None of these

Directions (37-41) : In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers are to be answered. The operation of numbers progresses from the left to right.

(Andhra Bank PO Exam. 14.09.2008)

Rules :

- (I) If an odd number is followed by another composite odd number, they are to be multiplied.
- (II) If an even number is followed by an odd number, they are to be added.
- (III) If an even number is followed by a number which is the perfect square, the even number is to be subtracted from the perfect square.
- (IV) If an odd number is followed by a prime odd number, the first number is to be divided by the second number.
- (V) If an odd number is followed by an even number, the second one is to be subtracted from the first one.

37. 14 11 9
104 q 11

If q is the resultant of the first row, what is the resultant of the second row?

- (1) 1331
- (2) 132
- (3) 5
- (4) 11
- (5) None of these

38. 36 27 7
m 15 124

If m is the resultant of the first row, what is the resultant of the second row?

- (1) 125
- (2) 25
- (3) 11
- (4) 15
- (5) None of these

39. 22 27 7
7 9 14

What will be the answer if the resultant of the second row is divided by the resultant of the first row?

- (1) 7
- (2) 14
- (3) 63
- (4) 48
- (5) None of these

40. 56 81 5
p 21 88

If p is the resultant of the first row, what is the resultant of the second row?

- (1) 17
- (2) 19
- (3) 23
- (4) 37
- (5) None of these

41. 54 27 34
22 49 3

What will be the answer if the resultant of second row is subtracted from the resultant of first row?

- (1) 74
- (2) 38
- (3) 52
- (4) 186
- (5) None of these

Directions (42-46) : Study the following information carefully to answer these questions.

(Bank Of Baroda Specialist Officer Exam. 05.10.2008)

A, B, C, D, E, F and G are members of a sports club and have liking for different games viz. Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has liking for different musical instrument viz. Sitar, Guitar, Harmonium, Flute, Tabla, Banjo and Santoor not necessarily in the same order.

B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays Badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey.

42. Who plays Santoor?

- (1) D
- (2) A
- (3) E
- (4) D or E
- (5) None of these

43. D plays which game?

- (1) Table Tennis
- (2) Lawn Tennis
- (3) Football
- (4) Cannot be determined
- (5) None of these

44. Which of the following combinations of game-person-musical instrument is definitely correct ?

- (1) Badminton - B - Flute
- (2) Table Tennis - E - Santoor
- (3) Lawn Tennis - D - Tabla
- (4) Table Tennis - C - Tabla
- (5) None of these

45. Who plays Football ?

- (1) C
- (2) D
- (3) G
- (4) F
- (5) None of these

46. Who plays Table Tennis ?

- (1) C
- (2) F
- (3) D
- (4) Cannot be determined
- (5) None of these

Direction (47-51) : Study the following information carefully and answer the questions given below it.

(Canara Bank PO Exam. 15.03.2009)

Seven members H, I, J, K, L, M and N are working in different cities Ahmedabad, Bangalore, Chennai, Hyderabad, Kolkata, Delhi and Mumbai not necessarily in the same order. Each one has a different mother tongue Tamil, Kannada, Telgu, Hindi, Marathi, Punjabi and Bangla not necessarily in the same order.

J works in Bangalore and his mother tongue is not Tamil or Marathi. K's mother tongue is Punjabi and he works in Ahmedabad. L and M do not work in Chennai and none of them has Marathi mother tongue. I works in Hyderabad and his mother tongue is Telgu. The one who works in Delhi has Bangla mother tongue. N works in Mumbai and his mother tongue is Hindi. L does not work in Kolkata.

47. What is J's mother tongue ?

- (1) Telgu
- (2) Hindi
- (3) Bangla
- (4) Kannada
- (5) None of these

48. Who works in Chennai ?

- (1) H
- (2) L
- (3) M
- (4) L or M
- (5) None of these

49. Which of the following combination is correct ?

- (1) Marathi-I- Hyderabad
- (2) Tamil-M- Kolkata
- (3) Marathi-I- Chennai
- (4) Punjabi-K- Delhi
- (5) None of these

50. Who works in Delhi ?

- (1) H
- (2) M
- (3) L
- (4) K
- (5) None of these

51. What is M's mother tongue ?

- (1) Bangla
- (2) Marathi
- (3) Telgu
- (4) Cannot be determined
- (5) None of these

Directions (52-56) : Study the following information carefully and answer the questions given below :

(United Bank Of India PO Exam. 21.06.2009)

P, Q, R, S, T, V and W are seven students of a college. Each of them has a favourite subject from Physics, Chemistry, English, Biology, History, Geography and Philosophy, not necessarily in the same order. Each of them also has a favourite sport from Football, Cricket, Hockey, Volleyball, Badminton, Table Tennis and Basketball not necessarily in the same order.

R likes Philosophy and his favourite sport is Hockey. The one who likes Football likes English. T's favourite sport is not Badminton or Table Tennis. V does not like either History or Biology. The one whose favourite sport is Basketball does not like Physics. W likes Chemistry and his favourite sport is Volleyball. S likes Geography. Q's favourite sport is Badminton. V does not like English and his favourite sport is not Basketball. P's favourite sport is Cricket. The one whose favourite sport is Badminton does not like Biology.

52. Who likes History ?

- (1) P
- (2) R
- (3) Q
- (4) V
- (5) Data inadequate

53. Whose favourite sport is Basketball ?

- (1) S
- (2) W
- (3) Q
- (4) Data inadequate
- (5) None of these

54. Which subject does T like ?

- (1) Biology
- (2) Physics
- (3) Chemistry
- (4) Data inadequate
- (5) None of these

55. What is Q's favourite sport ?

- (1) Cricket
- (2) Table Tennis
- (3) Football
- (4) Badminton
- (5) None of these

56. Which subject does P like ?

- (1) History
- (2) Biology
- (3) Chemistry
- (4) Data inadequate
- (5) None of these

Directions (57-61) : Study the following information carefully and answer the questions given below :

(Andhra Bank PO Exam. 06.07.2009)

P, Q, R, S, T and M are six students of a school, one each studies in Class I-VI. Each of them has a favourite colour from red, black, blue, yellow, pink and green, not necessarily in the same order.

Q likes black and does not study in Class IV or V. The one who studies in class IV does not like green. P studies in class II. M likes blue and does not study in class IV. The one who likes yellow studies in class VI. S likes pink and studies in class I. R does not study in class VI.

57. In which class does R study ?

- (1) V
- (2) III
- (3) IV
- (4) Data inadequate
- (5) None of these

58. Which colour does R like ?

- (1) Black
- (2) Yellow
- (3) Green
- (4) Blue
- (5) None of these

59. Which colour does P like ?

- (1) Green
- (2) Yellow
- (3) Red
- (4) Data inadequate
- (5) None of these

60. Which of the following combinations is correct ?

- (1) P - II - Yellow
- (2) Q - III - Green
- (3) S - I - Black
- (4) T - V - Yellow
- (5) None of these

61. In which class does M study ?

- (1) IV
- (2) III
- (3) II
- (4) V
- (5) None of these

Directions (62-66) : In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the questions below the rows of numbers are to be answered. The operations of numbers progress from left to right.

(Indian Bank Rural Marketing Officer Exam. 03.01.2010)

PROBLEM SOLVING

Rules :

- (i) If an odd number is followed by another composite odd number, they are to be multiplied.
- (ii) If an even number is followed by an odd number, they are to be added.
- (iii) If an even number is followed by a number which is a perfect square, the even number is to be subtracted from the perfect square.
- (iv) If an odd number is followed by a prime odd number, the first number is to be divided by the second number.
- (v) If an odd number is followed by an even number, the second one is to be subtracted from the first one.

Now work out the resultant numbers for each row in each question and answer the question below the rows of numbers.

62. 46 196 15
117 13 3

What is the sum of the resultant of the two rows ?

- (1) 178 (2) 172
- (3) 168 (4) 188
- (5) None of these

63. 5 15 40
m 26 3

If the resultant of the first row is 'm', what will be the resultant of the second row ?

- (1) 9 (2) 6
- (3) 27 (4) 3
- (5) None of these

64. 10 15 5
14 11 p

If 'p' is the resultant of the first row, what will be the resultant of the second row ?

- (1) 6 (2) 81
- (3) 9 (4) 24
- (5) None of these

65. 7 15 24
12 27 3

What will be the difference between the resultants of the first row and the second row ?

- (1) 94 (2) 68
- (3) 40 (4) 53
- (5) None of these

66. 27 12 5
28 64 k

If the resultant of the first row is 'k', what will be the resultant of the second row ?

- (1) 42 (2) 33
- (3) 108 (4) 92
- (5) None of these

Directions (67-71) : Study the following information carefully and answer the questions given below :

(Bank Of India Banking Officer Exam. 24.01.2010)

A, B, C, D, E, F, G and H are eight persons working in three different departments viz. Operations, Sales and Finance of an organisation with at least two and not more than three in any department. They are in three different scales viz. I, II and III with at least two in any one scale.

Both the employees in Operations departments are in Scale II. D works in Sales department and belongs to Scale I. A works in Finance departments and does not belong to Scale I. Two employees in Sales department belong to one scale. F works with only H in one of the departments. C works with E in one of the departments. B does not work with either C or A in the same department. G does not belong to Scale III. E does not belong to Scale I.

67. Which of the following combinations is correct ?

- (1) Operation - F - I
- (2) Operation - H - III
- (3) Sales - B - II
- (4) Finance - E - III
- (5) All are correct

68. Which of the following groups of employees work in sales department ?

- (1) DBE (2) DBC
- (3) DBG
- (4) Data inadequate
- (5) None of these

69. H belongs to which scale ?

- (1) I (2) II
- (3) III
- (4) Data inadequate
- (5) None of these

70. G belongs to which scale ?

- (1) II (2) III
- (3) I (4) I or II
- (5) None of these

71. C belongs to which scale ?

- (1) I (2) II
- (3) III (4) I or II
- (5) None of these

Directions (72-76) : Study the following information carefully and answer the questions given below :

(Corporation Bank PO Exam. 09.05.2010)

A, B, C, D, E, F, G and H are eight students of a school. They study in Standard VI, VII, and VIII with not more than three in any Standard. Each of them has a favourite subject from Physics, Geography, English, Marathi, Mathematics, Chemistry, Biology and Economics but not necessarily in the same order.

D likes Chemistry and studies in Standard VIII with only H. B does not study in Standard VII. E and A study in the same Standard but not with B. C and F study in the same Standard. Those who study in Standard VI do not like Mathematics or Biology. F likes Physics. The one who studies in Standard VIII likes English. C does not like Geography. A's favourite subject is Marathi and G does not like Biology.

72. Which subject does H like ?

- (1) English (2) Marathi
- (3) Science
- (4) Data inadequate
- (5) None of these

73. What is G's favourite subject ?

- (1) Biology (2) Physics
- (3) Marathi
- (4) Data inadequate
- (5) None of these

74. What is C's favourite subject ?

- (1) Economics (2) Biology
- (3) English (4) Geography
- (5) Data inadequate

75. Which of the following combinations of student-Standard. Subject is correct ?

- (1) C - VII - Economics
- (2) D - VI - Chemistry
- (3) G - VII - Physics
- (4) B - VIII - Mathematics
- (5) None is correct

76. Which of the following group of students study in VII Standard ?

- (1) EAF (2) EGC
- (3) EAG
- (4) Data inadequate
- (5) None of these

Directions (77-81) : Study the following information to answer the given questions :

(Central Bank Of India PO Exam. 25.07.2010)

- (a) Six plays are to be organized from Monday to Sunday - One play each day with one day when there is no play. 'No play' day is not Monday or Sunday.
- (b) The plays are held in sets of 3 plays each in such a way that 3 plays are held without any break i.e. 3 plays are held in such a way, that there is no 'No play' day between them but immediately before this set or immediately after this set it is 'No play' day.
- (c) Play Z is held on 26th and play X was held on 31st of the same month.
- (d) Play B was not held immediately after play A (but was held after A, not necessarily immediately) and play M was held immediately before Q.
- (e) All the six plays were held in the same month.
77. Which play was organized on Monday ?
 (1) Z (2) M
 (3) Q
 (4) Cannot be determined
 (5) None of these
78. Which day was play Z organized?
 (1) Tuesday
 (2) Monday
 (3) Wednesday
 (4) Cannot be determined
 (5) None of these
79. Which date was a 'No play' day ?
 (1) 26th (2) 28th
 (3) 29th
 (4) Cannot be determined
 (5) None of these
80. Which of the following is true ?
 (1) Play B is held immediately before play M
 (2) Play Z is held after play B
 (3) There was a gap after 2 plays and then 4 plays were organized
 (4) First play was organized on the 25th
 (5) Play B was held on Friday
81. Which day was play Q organized?
 (1) Friday (2) Wednesday
 (3) Saturday
 (4) Cannot be determined
 (5) None of these

Directions (82-86) : Study the following information to answer the given questions :

(Central Bank Of India PO Exam. 25.07.2010)

- (i) In a family of 6 persons, there are two couples.
- (ii) The Lawyer is the head of the family and has only two sons — Mukesh and Rakesh — both Teachers.
- (iii) Mrs. Reena and her mother-in-law both are Lawyers.
- (iv) Mukesh's wife is a Doctor and they have a son, Ajay.
82. Which of the following is definitely a couple ?
 (1) Lawyer- Teacher.
 (2) Doctor- Lawyer
 (3) Teacher - Teacher
 (4) Cannot be determined
 (5) None of these
83. What is the profession of Rakesh's wife ?
 (1) Teacher (2) Doctor
 (3) Lawyer
 (4) Cannot be determined
 (5) None of these
84. How many male members are there in the family ?
 (1) Two (2) Three
 (3) Four
 (4) Cannot be determined
 (5) None of these
85. What is/was Ajay's Grandfather's occupation ?
 (1) Teacher
 (2) Lawyer
 (3) Doctor
 (4) Cannot be determined
 (5) None of these
86. What is the profession of Ajay ?
 (1) Teacher
 (2) lawyer
 (3) Doctor
 (4) Cannot be determined
 (5) None of these

Directions (87-93) : Study the following information carefully and answer the given questions.

(Syndicate Bank PO Exam. 29.08.2010)

Seven friends A, B, C, D, E, F and G studied in colleges X, Y and Z and are currently in different professions namely, Medicines, Fashion designing, Engineering, Business, Acting,

Teaching and Architecture (not necessarily in the same order). At least two and not more than three friends had studied in the same college.

C is an architect and studied in college Y. E is not a businessman. Only G amongst the seven friends studied in college X along with E. F is an engineer and did not study in college Y. B is an actor and did not study in the same college as F. A did not study in college Z. Those who studied in college X are neither Fashion Designers nor teachers. None of those studied in college Y is a teacher.

87. Who amongst the following have studied in college Z ?
 (1) B, A (2) C, F
 (3) B, D, F (4) A, D
 (5) D, F
88. Which of the following groups represents the students of college Y ?
 (1) C, E, G (2) A, C, D
 (3) A, B, C (4) D, B, C
 (5) None of these
89. What is the profession of F ?
 (1) Engineering
 (2) Business (3) Medicines
 (4) Acting (5) None of these
90. Who amongst the following is in the profession of Medicines ?
 (1) E (2) G
 (3) A (4) D
 (5) None of these
91. What is the profession of A ?
 (1) Teaching
 (2) Medicines
 (3) Business
 (4) Fashion Designing
 (5) None of these
92. Which of the following combinations of person, college and profession is definitely correct ?
 (1) E - X - Fashion Designing
 (2) F - X - Engineering
 (3) A - Y - Businessman
 (4) D - Z - Teaching
 (5) None of these
93. Who amongst the following is a teacher ?
 (1) A (2) D
 (3) E (4) G
 (5) None of these

Directions (94-96) : Four

friends Amrita, Deepa, Smita and Rhea complete their PhD in different number of years. The one who took maximum time took eight years to complete her PhD while the one who took the least time took only three years to complete it. Rhea took more time only than Amrita and completed her PhD in five years. Smita did not take longer time than Deepa to complete her PhD.

(Punjab National Bank Specialist Officer Exam. 24.10.2010)

94. How many years did Amrita take to complete her PhD ?

- (1) 8
- (2) 3
- (3) 4
- (4) Either 6 or 7
- (5) Cannot be determined

95. How many years did Smita take to complete her PhD ?

- (1) 8
- (2) 3
- (3) 4
- (4) 7
- (5) Cannot be determined

96. Who amongst the following took the maximum number of years to complete PhD ?

- (1) Amrita
- (2) Rhea
- (3) Smita
- (4) Deepa
- (5) Cannot be determined

Directions (97-101) : Study the following information to answer the given questions:

(Bank Of India PO Exam. 31.10.2010)

In a Group of 5, each person has an exclusive and different preference (has/likes) for a pen, a watch and a car. Pen preferences are Parker, Lamy, Pointer, Lexi and Cello. Car preferences are WagonR, Swift, Santro, Mica and City. Watch preferences are Timex, Titan, Fastrack, Samay and Citizen.

Suman has Mica and Parker but does not prefer among watches -Titan or Fastrack. The one who has Swift, likes Fastrack. Mrudula has preference for City, Cello and Citizen. Amit has preference for Lamy and Timex. Veena prefers WagonR and Lexi. Harsh's preference for a watch is not Titan.

97. Which watch is Suman's preference ?

- (1) Titan
- (2) Fastrack
- (3) Samay
- (4) Cannot be determined
- (5) None of these

98. Which pen is Harsh's preference ?

- (1) Lamy
- (2) Pointer
- (3) Lexi
- (4) Cannot be determined
- (5) None of these

99. Which watch is Harsh's preference ?

- (1) Samay
- (2) Fastrack
- (3) Timex
- (4) Cannot be determined
- (5) None of these

100. Who's preference is Swift ?

- (1) Harsh
- (2) Amit
- (3) Veena
- (4) Cannot be determined
- (5) None of these

101. Which watch is Veena's preference ?

- (1) Samay
- (2) Fastrack
- (3) Titan
- (4) Cannot be determined
- (5) None of these

Directions (102-106) : Study the following information carefully and answer the given questions.

(United Bank Of India PO Exam. 14.11.2010)

In a sports event, different games are scheduled to be held on seven days, starting on Monday and ending on Sunday. Two games are scheduled to be held on Saturday as well as on Sunday and one game on each of the remaining five days. The games to be held in these seven days are : Basketball, football, boxing, sprinting, swimming, shooting, weightlifting, wrestling and cycling, but not necessarily in the same order.

Shooting is scheduled to be held on Thursday. Boxing and cycling are scheduled to be held on the same day. Wrestling is scheduled to be held three days before basketball, i.e. two sports are scheduled between wrestling and basketball. Wrestling is not scheduled to be held on Wednesday. Weightlifting is scheduled immediately after the day boxing is scheduled. Football is scheduled immediately after the day wrestling is scheduled. Swimming is not scheduled on Monday.

102. Which of the following games is scheduled to be held on Friday ?

- (1) Basketball
- (2) Wrestling
- (3) Swimming
- (4) Weightlifting
- (5) Sprinting

103. Which of the following games is scheduled to be held on Sunday ?

- (1) Football
- (2) Wrestling
- (3) Basketball
- (4) Cycling
- (5) Swimming

104. On which of the following days is sprinting scheduled ?

- (1) Saturday
- (2) Friday
- (3) Wednesday
- (4) Monday
- (5) Cannot be determined

105. On which of the following days is weightlifting scheduled ?

- (1) Monday
- (2) Tuesday
- (3) Wednesday
- (4) Friday
- (5) Sunday

106. Shooting is related to Basketball in the same way as Wrestling is related to -

- (1) Sprinting
- (2) Football
- (3) Shooting
- (4) Weightlifting
- (5) Boxing

Directions (107-111) : In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers are to be answered. The operation of numbers progress from left to right.

(United Bank Of India PO Exam. 14.11.2010)

Rules :

- (i) If an odd number is followed by a composite odd number (a non prime number), they are to be multiplied.
- (ii) If an even number is followed by an odd number, which is not a perfect square, they are to be added.
- (iii) If an even number is followed by a number which is the perfect square, the even number is to be subtracted from the perfect square.
- (iv) If an odd number is followed by a prime odd number, the first number is to be divided by the second number.
- (v) If an odd number is followed by an even number, the second one is to be subtracted from the first one.

PROBLEM SOLVING

(After the operation on the first two numbers, the resultant is to be considered as the number for applying operation between the second number (the number obtained after performing operation between the first and second numbers given in the question) and the third number.)

For example :

Consider the following question :

38 64 7
49 36 a

If a is the resultant of the first row, what is the resultant of the second row?

- (1) 363 (2) 44
(3) 22 (4) 3
(5) 31

Here, after performing operation between the first two numbers, i.e. 38 and 64, the resultant obtained is 26. Now 26 is to be considered for performing the operation between 26 and 7 (the number given in the question). The answer thus obtained here would be 33. Now 33 is to be considered as 'a' and operations are to be performed in the similar fashion between the numbers given in the second row. The answer obtained here after performing all the operations would be 363, thus (1) would be the correct answer.

107. 12 21 6
5 y 88

If y is the resultant of the first row, what is the resultant of the second row?

- (1) 125 (2) 25
(3) 47 (4) 27
(5) 43

108. 6 9 15
x 12 11

If x is the resultant of the first row, what is the resultant of the second row?

- (1) 33 (2) 45
(3) 11 (4) 15
(5) 3

109. 18 37 5
2 m 6

If m is the resultant of the first row, what is the resultant of the second row?

- (1) 19 (2) 55
(3) 78 (4) 7
(5) 9

110. 18 64 7
49 34 z

If z is the resultant of the first row, what is the resultant of the second row?

- (1) 825 (2) 40
(3) 3.67 (4) 70
(5) 55

111. 27 12 3
p 9 5

If p is the resultant of the first row, what is the resultant of the second row?

- (1) 50 (2) 9
(3) 40 (4) 5
(5) 8

Directions (112-116): Study the following information to answer the given questions :

(PNS Management Trainee Exam. 28.11.2010)

Six plays - A, B, C, D, E and F are to be staged on six days of the week starting from Monday and ending on Saturday. Play C is staged on a Tuesday. Plays A, F and B are staged one after the other in the same order. Play D is not staged on a Monday or a Wednesday.

112. How many plays are staged after play A is staged?

- (1) One (2) Two
(3) Three (4) Four
(5) Cannot be determined

113. Four of the following five form a group based on the days that they are staged. Which one of them does not belong to that group?

- (1) EC (2) FD
(3) CA (4) AF
(5) BD

114. Which play is staged immediately before the day play E is staged?

- (1) B (2) A
(3) F (4) D
(5) There is no such play staged

115. If play D was staged on a Monday, which of the following plays would definitely be staged on a Saturday (all the other conditions given above remain the same)?

- (1) B (2) A
(3) E (4) E or B
(5) Cannot be determined

116. Which play is staged on Thursday?

- (1) B (2) E
(3) D (4) F
(5) Cannot be determined

Directions (117-121): Study the following information to answer the given questions :

(PNS Management Trainee Exam. 28.11.2010)

Seven friends - T, U, V, W, X, Y and Z are students of a school studying in different standards - VI, VII and VIII. Not less than two and not more than three students study in each standard. Each of them likes to play a different sport in his spare time, viz. Carom, Badminton, Chess, Scrabble, Cards, Table Tennis and Basketball but not necessarily in the same order.

X does not study in standard V, and likes Table Tennis. The one who likes Chess studies in standard VII. U studies in standard VII only with V. V likes Carom and studies in the same standard as W and T. No one studying in standard VI likes Badminton or Cards. W does not like Basketball and U does not like Cards.

117. Which sport does U like?

- (1) Table Tennis (2) Badminton
(3) Basketball (4) Carom
(5) Cannot be determined

118. Who likes to play Scrabble?

- (1) W (2) U
(3) T (4) Z
(5) None of these

119. Which of the following represents the students studying in standard VIII?

- (1) X, Y (2) Z, T
(3) X, Z (4) U, Y
(5) None of these

120. Which of the following combinations of student - standard - sport is correct?

- (1) W - VIII - Scrabble
(2) U - VI - Badminton
(3) T - VI - Cards
(4) Z - VIII - Chess
(5) None is correct

121. Which sport does Y like?

- (1) Scrabble (2) Cards
(3) Badminton (4) Chess
(5) Cannot be determined

Directions (122-126): Study the following information carefully and answer the given questions.

(Bank Of Maharashtra Exam. 19.12.2016)

Seven flights namely Jet Airways, British Airways, Delta, Quantas, Emirates, Lufthansa, Air India are scheduled to fly to London. There is only one flight to London on each of the seven days of the week, starting from Monday and ending on Sunday.

Delta flies on Wednesday. Air India flies the day next to British Airways. British Airways does not fly on Monday or Friday. Two airlines fly between the days British Airways and Emirates fly. Emirates does not fly on Sunday. Quantas flies a day before Lufthansa.

122. On which of the following days does Jet Airways fly ?

- (1) Friday (2) Sunday
(3) Tuesday (4) Thursday
(5) None of these

123. How many flights fly between Lufthansa and Delta ?

- (1) None (2) One
(3) Two (4) Three
(5) Five

124. Which of the following flights flies on Friday ?

- (1) Air India (2) Quantas
(3) Emirates (4) Lufthansa
(5) Jet Airways

125. If Delta postpones its flight to Sunday owing to some technical reasons and all the flights scheduled for Thursday to Sunday are now made to take off a day ahead of the schedule, which of the following flights would now fly on Friday ?

- (1) Lufthansa
(2) Jet Airways
(3) British Airways
(4) Air India (5) Quantas

126. If Emirates is related to British Airways and Delta is related to Quantas in a certain way based upon the given flight schedule, then Jet Airways will be related to which of the following based upon the same relationship ?

- (1) Lufthansa (2) Quantas
(3) Delta (4) Air India
(5) None of these

Directions (127-131) : Study the following information to answer the given questions :

(Oriental Bank Of Commerce PO Exam. 26.12.2010 (1st sitting))

Seven animated movies— Up, Finding Nemo, Ice Age, Aladdin, Shark Tale, Beauty and the Beast, The Incredibles, were screened during a children's workshop not necessarily in the same order. The workshop started on Monday and ended on Sunday. Only one movie was screened on each day.

'Beauty and the Beast' was screened on Wednesday. 'The Incredibles' was screened on the fourth day after 'Up' was screened. 'Ice Age' was screened before Thursday but not on Monday. 'Shark Tale' and 'Aladdin' were not screened on Saturday but 'Shark Tale' was screened before Saturday.

127. Four of the following five are similar on the basis of their position in the above arrangement and hence form a group. Which of the following does not belong to the group ?

- (1) Up — Beauty and the Beast
(2) The Incredibles — Aladdin
(3) Shark Tale — Finding Nemo
(4) Beauty and the Beast — The Incredibles
(5) Finding Nemo — Aladdin

128. On which day was 'Ice Age' screened ?

- (1) Friday (2) Tuesday
(3) Thursday (4) Sunday
(5) None of these

129. Which movie was screened on Saturday ?

- (1) Finding Nemo
(2) Up
(3) The Incredibles
(4) Aladdin
(5) None of these

130. How many movies were screened before 'Shark Tale' ?

- (1) 6 (2) 4
(3) 2 (4) 3
(5) None of these

131. Which of the following combinations is false with respect to the given information ?

- (1) 'Up' was not screened on Friday
(2) 'Shark Tale' was screened immediately after 'Beauty and the Beast'
(3) 'The Incredibles' was screened on Sunday
(4) 'Finding Nemo' was not screened on Friday
(5) All are false

Directions (132-138) : Study the following information to answer the given questions :

(Indian Bank PO Exam. 02.01.2011 (1st sitting))

Six lectures are scheduled in a week starting from Monday and ending on Sunday of the same week. Computer Science is not on Tuesday or Saturday. Psychology is immediately after Organisational Behaviour. Statistics is not on Friday and there is one day gap between Statistics and Research Methods. One day prior to the schedule of Economics there is no lecture (as that day is the 'off' day and Monday is not the 'off' day.)

132. Which of the following is the last lecture scheduled ?

- (1) Statistic
(2) Research Methods
(3) Psychology
(4) Cannot be determined
(5) None of these

133. If Wednesday is the 'off' day, the code would be 2-4, if Thursday was the 'off' day, the code would be 3-3. Taking into account the 'off' day which of the following code is correct ?

- (1) 2-4 (2) 3-3
(3) 4-2
(4) Cannot be determined
(5) None of these

134. Which lecture is scheduled on Friday ?

- (1) Economics
(2) Psychology
(3) Computer Science
(4) Cannot be determined
(5) None of these

135. How many lectures were scheduled between Economics and Psychology ?

- (1) One (2) Two
(3) Three
(4) Cannot be determined
(5) None of these

136. Which day is Computer Science scheduled ?

- (1) Monday
(2) Wednesday
(3) Thursday
(4) Cannot be determined
(5) None of these

137. Which day is the 'off' day ?
 (1) Tuesday (2) Wednesday
 (3) Friday
 (4) Cannot be determined
 (5) None of these

138. If someone wants to attend only two lectures out of Psychology, Research Methods and Computer Science but wants the two days to be successive (one after the other) then which lecture-combination may be selected ?

- (1) Research Methods, Computer Science
 (2) Psychology, Computer Science
 (3) Psychology, Research Methods
 (4) Any two of the three is possible
 (5) With the condition of successive day it is not possible

Directions (139-143): Study the following information carefully and answer the given questions.

(Union Bank Of India PO Exam. 09.01.2001)

Seven conferences on Marketing, Finance, HR, Real Estate, Hospitality, Management, and Banking were scheduled to be held in Mumbai, Pune, Delhi, Hyderabad, Indore, Bhopal and Chennai, on one day in a week starting from Monday and ending on Sunday.

Conference on Hospitality was held in Hyderabad on Friday. Only one conference was held between conference on Hospitality and Finance. Conference on Management was held immediately after HR but immediately before Banking. Conference on Management was not held in Indore. The conference held on Monday was held in Delhi. Only one conference was held between conferences on Banking and the conference held in Mumbai. The conference on HR was not held in Mumbai. Conference in Pune was held immediately before conference in Indore. Conference on Real Estate was not held on Monday. Conference in Chennai was not held after conference in Mumbai.

139. If Delhi is related to Pune and Banking is related to Real Estate in a certain way, then to which of the following would Indore be related to, following the same pattern ?

- (1) Bhopal (2) Chennai
 (3) Mumbai (4) Delhi
 (5) None of these

140. In which of the following cities was conference on Banking held ?

- (1) Chennai (2) Mumbai
 (3) Delhi (4) Bhopal
 (5) Indore

141. How many conferences were held between conferences on Marketing and Real Estate ?

- (1) None (2) One
 (3) Two (4) Three
 (5) Four

142. On which of the following days was the conference on HR held ?

- (1) Monday (2) Tuesday
 (3) Wednesday (4) Thursday
 (5) Friday

143. Which of the following conferences was held on Monday ?

- (1) Banking
 (2) Management
 (3) HR (4) Marketing
 (5) Cannot be determined

Directions (144-148): Study the following information carefully and answer the questions given below :

(Union Bank Of India PO Exam. 09.01.2001)

Seven representatives of a company — Samir, Nita, Richa, Shweta, Gifty, Paul and Mohit — travelled to three different countries i.e. South Africa, Australia and France. Each of them travelled on different days of the week (no two persons travelled on the same day), starting on Monday and ending on Sunday. Minimum two people travelled to each country and South Africa is the only country to which three people travelled.

Samir travelled to South Africa on Monday. Paul travelled to Australia but neither on Tuesday nor on Saturday. Mohit travelled on Sunday but not to France. The one who travelled to Australia travelled on Tuesday and the one who travelled to France travelled on Saturday. Gifty travelled on Wednesday. Richa travelled to South Africa but not on Thursday. Nita did not travel to France.

144. If everyone's trip is postponed by one day, who will be travelling on Wednesday?

- (1) Paul (2) Richa
 (3) Nita (4) Gifty
 (5) None of these

145. Who amongst the seven representatives travelled on Saturday?
 (1) Shweta (2) Nita
 (3) Richa
 (4) Cannot be determined
 (5) None of these

146. Which one of the following combinations is true according to the given information ?

- (1) Paul - Thursday - South Africa
 (2) Shweta - Wednesday - France
 (3) Mohit - Monday - South Africa
 (4) Richa - Friday - Australia
 (5) None is true

147. To which country and on which day did Nita travel ?

- (1) Wednesday, South Africa
 (2) Friday, Australia
 (3) Thursday, Australia
 (4) Tuesday, Australia
 (5) None of these

148. Who was the last one to travel?

- (1) Samir (2) Richa
 (3) Mohit (4) Shweta
 (5) None of these

Directions (149-153): Study the following information carefully and answer the given questions :

(Corporation Bank PO Exam. 16.01.2011)

One of the seven subjects, viz., Maths, Zoology, Botany, Chemistry, Physics, English and Statistics is taught on one day in a week starting from Monday and ending on Sunday. Chemistry is taught on Thursday. English is taught the day immediately next to the day when Zoology is taught. English is neither taught on Tuesday nor Saturday. Only one lecture is held between Chemistry and Botany. Two lectures are scheduled between Maths and Zoology. Statistics is neither taught on Monday nor Sunday.

149. On which of the following days is Physics taught ?

- (1) Monday (2) Tuesday
 (3) Wednesday (4) Thursday
 (5) Friday

150. How many subjects are taught between Botany and Zoology ?

- (1) None (2) One
 (3) Two (4) Three
 (5) Four

151. Which of the following subjects is taught on Saturday ?

- (1) Botany (2) Statistics
 (3) Zoology (4) Maths
 (5) Physics

PROBLEM SOLVING

152. On which of the following days is statistics taught ?

- (1) Tuesday (2) Wednesday
- (3) Thursday (4) Friday
- (5) Cannot be determined

153. If Statistics is related to Zoology and Physics is related to Botany in a certain way, then to which of the following would Chemistry be related to, following the same pattern ?

- (1) Maths (2) Statistics
- (3) Physics (4) English
- (5) Cannot be determined

Directions (154-156) : Study the following information to answer the given questions :

(Corporation Bank PO Exam. 16.01.2011)

A building has seven floors numbered one to seven, in such a way that the ground floor is numbered one, the floor above it, number two and so on such that the topmost floor is numbered seven. One out of seven people viz. A, B, C, D, E, F and G lives on each floor. A lives on fourth floor. E lives on the floor immediately below F's floor. F does not live on the second or the seventh floor.

C does not live on an odd numbered floor. B does not live on a floor immediately above or below C's floor. D does not live on the topmost floor. G does not live on any floor below E's floor.

154. Who lives on the topmost floor ?

- (1) B
- (2) C
- (3) E (4) G
- (5) Cannot be determined

155. Who lives immediately above D's floor ?

- (1) A (2) B
- (3) C (4) F
- (5) G

156. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?

- (1) F (2) D
- (3) B (4) G
- (5) C

Directions (157-161) : Read the following passage carefully and answers the questions given below it.

(Punjab & Sind Bank PO Exam. 23.01.2011)

A group of seven friends; A, B, C, D, E, F and G work as Economist, Agriculture Officer, IT Officer, Terminal Operator, Clerk, Forex Officer and Research Analyst, for Banks L, M, N, P, Q, R and S but not necessarily in the same order. C works for Bank N and is neither a Research Analyst nor a Clerk. E is an IT Officer and works for Bank R. A works as Forex Officer and does not work for Bank L or Q. The one who is an Agriculture Officer works for Bank M. The one who works for Bank L works as a Terminal Operator. F works for Bank Q. G works for Bank P as a Research Analyst. D is not an Agriculture Officer.

157. Who amongst the following works as an Agriculture Officer?

- (1) C (2) B
- (3) F (4) D
- (5) None of these

158. What is the profession of C ?

- (1) Terminal Operator
- (2) Agriculture Officer
- (3) Economist
- (4) Cannot be determined
- (5) None of these

159. For which bank does B work?

- (1) M (2) S
- (3) L (4) Either M or S
- (5) None of these

160. What is the profession of the person who works for Bank S ?

- (1) Clerk
- (2) Agriculture Officer
- (3) Terminal Operator
- (4) Forex Officer
- (5) None of these

161. Which of the following combinations of person, profession and bank is correct?

- (1) A - Forex Officer - M
- (2) D - Clerk - L
- (3) F-Agriculture Officer-Q
- (4) B-Agriculture Officer-S
- (5) None of these

Directions (162-168) : Study the following information to answer the given questions :

(UCO Bank PO Exam. 30.01.2011)

Six chemicals L, M, N, O, P and Q are kept in bottles of different colours viz, green, red, blue, white, pink and violet. not necessarily in the same order. There bottles are arranged from left to right, again not necessarily in the same order.

Chemical M is kept in white bottle. Chemical L is not kept in green bottle and is kept to the immediate left of the violet bottle. Chemical O is kept in the blue bottle and is kept exactly between the bottles containing chemicals L and M. The red bottle is at the extreme left end. The bottles containing chemical Q is not kept at either of the ends. The green bottle is kept at the extreme right end. Chemical P is not kept near the white bottle.

162. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to the group ?

- (1) LM (2) LP
- (3) QO (4) LQ
- (5) NO

163. Which bottle contains chemical L ?

- (1) Pink (2) Blue
- (3) Red
- (4) Cannot be determined
- (5) None of these

164. Which of the following combinations of chemical and bottle is correct ?

- (1) P - Red (2) N - Green
- (3) P - Green (4) Q - Pink
- (5) None of these

165. Which bottle contains chemical Q?

- (1) Pink (2) Green
- (3) Violet
- (4) Cannot be determined
- (5) None of these

166. If all the six chemicals are arranged alphabetically from left to right, positions of how many will remain unchanged ?

- (1) None (2) One
- (3) Two (4) Three
- (5) Four

167. Which bottle contains chemical N ?

- (1) Green (2) Red
- (3) Pink
- (4) Cannot be determined
- (5) None of these

168. Which chemical is kept in the bottle at the extreme right end ?

- (1) P (2) N
- (3) L
- (4) Cannot be determined
- (5) None of these

Directions (169-175) : Study the following information to answer the given questions :

(UCO Bank PO Exam. 30.01.2011)

Six plays A, B, C, D, E and F are to be staged starting from Monday and ending on Sunday with one of the days being an off day, not necessarily in the same order. Each of the plays has different time duration: $\frac{1}{2}$ hour, 1 hour, $1\frac{1}{2}$ hours, 2 hours, $2\frac{1}{2}$ hours and 3 hours, again not necessarily in the same order.

Sunday is not an off day and a Play of $\frac{1}{2}$ hour duration is staged on that day. Play A is staged immediately before Play E. There are two plays staged between Play F which is for 3 hours and Play C which is for $1\frac{1}{2}$ hours. The off day is after the staging of Play E and there are two days between the off day and Play A. Play D which is for 2 hours is not staged on Monday. The play staged immediately before the off day is of 3 hours. Play A is for less than $2\frac{1}{2}$ hours.

169. What is the time duration of Play B ?

- (1) $2\frac{1}{2}$ hours (2) 2 hours
(3) 1 hour (4) $\frac{1}{2}$ hour
(5) None of these

170. Which day is the off day?

- (1) Tuesday (2) Monday
(3) Friday (4) Saturday
(5) Cannot be determined

171. Which of the following combinations of Play - Day - Time Duration is correct ?

- (1) E - Wednesday - 2 hours
(2) A - Tuesday - 1 hour
(3) C - Thursday - $1\frac{1}{2}$ hours
(4) F - Tuesday - 3 hours
(5) None is correct

172. On which day is Play D staged?

- (1) Wednesday (2) Saturday
(3) Tuesday (4) Friday
(5) Cannot be determined

173. How many plays are staged before the off day?

- (1) Two (2) One
(3) Five (4) Three
(5) None of these

Directions (174-175) : Keeping all the other information the same, if D is staged on Monday, then ____

(Bank Of Baroda PO Exam. 13.03.2011)

174. A play of what time duration would be staged on Thursday?

- (1) 2 hours (2) $2\frac{1}{2}$ hours
(3) 1 hour (4) 3 hours
(5) Cannot be determined

175. Which day would be the off day?

- (1) Tuesday (2) Monday
(3) Friday (4) Saturday
(5) Cannot be determined

Directions (176-182) : Study the following information carefully and answer the given questions.

(Bank Of Baroda PO Exam. 13.03.2011)

Seven lectures are scheduled to be held in a week. There is only one lecture on each of the seven days of the week, starting from Monday and ending on Sunday.

Chemistry is taught either on Wednesday or on Saturday. Three lectures are scheduled to be held between Chemistry and English. Two lectures are scheduled to be held between English and Computers. Lecture on Physics is scheduled on the day which is immediately next to the day when lecture on Biology is scheduled. Lecture on Psychology is scheduled to be held after Mathematics (not necessarily immediately after Mathematics). Lecture on Psychology is not scheduled for Saturday or Sunday.

176. Which of the following lectures is scheduled for Thursday?

- (1) Mathematics
(2) English (3) Physics
(4) Biology (5) Computers

177. Which of the following combinations of day- lecture is correct?

- (1) Saturday — Physics
(2) Monday — Biology
(3) Tuesday — English
(4) Thursday — English
(5) Sunday — Computers

178. How many lectures are scheduled between Chemistry and Physics?

- (1) None (2) One
(3) Two (4) Three
(5) Five

179. If Chemistry is related to Biology and Psychology is related to Computers in a certain way based upon the given lecture schedule, then Biology will be related to which of the following based upon the same relationship?

- (1) English (2) Mathematics
(3) Physics (4) Chemistry
(5) None of these

180. On which of the following days is the lecture on Psychology scheduled?

- (1) Friday (2) Monday
(3) Tuesday (4) Thursday
(5) None of these

181. Which of the following lecture(s) is/are scheduled to be held between the lectures on Chemistry and Physics?

- (1) No lecture is scheduled between these two lectures
(2) Only Computers
(3) Computers and Psychology
(4) Computers and Biology
(5) English and Mathematics

182. How many lectures are scheduled to be held between English and Mathematics?

- (1) None (2) One
(3) Two (4) Three
(5) Five

Directions (183-187) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE Exam. 18.09.2011)

P, Q, R, S, T, V, W and Z are travelling to three destinations Delhi, Chennai and Hyderabad in three different vehicles - Honda City, Swift D'Zire and Ford Ikon. There are three females among them one in each car. There are at least two persons in each car.

R is not travelling with Q and W. T, a male, is travelling with only Z and they are not travelling to Chennai. P is travelling in Honda City to Hyderabad. S is sister of P and travels by Ford Ikon. V and R travel together. W does not travel to Chennai.

183. Members in which car are travelling to Chennai ?

- (1) Honda City
(2) Swift D' Zire
(3) Ford Ikon
(4) Either Swift D' Zire or Ford Ikon
(5) None of these

184. In which car are four members travelling ?

- (1) None (2) Honda City
(3) Swift D'zire (4) Ford Ikon
(5) Honda City or Ford Ikon

PROBLEM SOLVING

185. Which of the following combinations represents the three female members?

- (1) QSZ (2) WSZ
(3) PSZ
(4) Cannot be determined
(5) None of these

186. Who is travelling with W?

- (1) Only Q (2) Only P
(3) Both P and Q
(4) Cannot be determined
(5) None of these

187. Members in which of the following combinations are travelling in Honda City?

- (1) PRS (2) PQW
(3) PWS
(4) Data inadequate
(5) None of these

Directions (188-192) : Study the following information carefully and answer the questions given below :

(IBPS Specialist Officer CWE Exam, 11.03.2012)

A, B, C, D, E, F, G and H are eight friends travelling in three different cars, viz. X, Y and Z with at least two in one car to three different places, viz. Delhi, Chandigarh and Agra.

There is at least one female member in each car. D is travelling with G in Delhi. E is travelling with Y. A is travelling with only H in car Z but not in Chandigarh. C is not travelling with either D or E. F and D are studying in the same only girls' college. H, B and G are studying in the same only boys' college.

188. Which of the following represents the group of females among them?

- (1) F, C, A (2) F, G, A
(3) D, C, A
(4) Data inadequate
(5) None of these

189. Which of the following combinations is correct?

- (1) Delhi - X - C
(2) Chandigarh - X - F
(3) Agra - Z - E
(4) Delhi - Y - E
(5) None of these

190. In which car are four of them travelling?

- (1) X or Z (2) Y
(3) X or Y (4) Z
(5) None of these

191. In which of the following cars is C travelling?

- (1) X (2) Y
(3) Z
(4) Either X or Y
(5) Data inadequate

192. Passengers in which car are travelling to Chandigarh?

- (1) Y
(2) X
(3) Either X or Y
(4) Data inadequate
(5) None of these

Directions (193-195) : Study the following information carefully to answer the given questions :

(Indian Overseas Bank PO Online Exam, 01.09.2013)

There are six people - P, Q, R, S, T and U - each having different weight. P is heavier than U but lighter than Q. T is heavier than R but lighter than P. Q is lighter than S. R is not the lightest. The second lightest person weighs 52 kilogram while the third heaviest is of 64 kilogram.

193. Who among the following may be of 58 kilogram in weight?

- (1) P (2) Q
(3) T (4) R
(5) U

194. How many persons are heavier than R?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

195. Which of the following may represent the weight of Q?

- (1) 62 kg (2) 66 kg
(3) 60 kg (4) 58 kg
(5) 56 kg

Directions (196-200) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-III, 26.10.2013)

Seven people - A, B, C, D, E, F and G - are having different hobbies, viz., Travelling, Reading, Dancing, Painting, Sculpting, Singing and Pottery making, but not necessarily in the same order. Each of them belong to different State, viz., Punjab, Odisha, Kerala, Rajasthan, Maharashtra, Gujarat and Karnataka, but not necessarily in the same order. A belongs to Maharashtra. D likes pottery making. The person who

likes sculpting is from the State of Odisha. The person who likes dancing is from the State of Gujarat. F does not belong to Gujarat, Odisha, Punjab or Rajasthan. F does not like singing, reading or painting. B does not belong to Kerala, Odisha, Punjab or Rajasthan. B does not like painting, travelling reading or singing. C does not like sculpting and he is not from Rajasthan or Punjab. Neither D nor G belongs to Punjab. A does not like reading. The person from Kerala likes singing.

196. Who among the following likes singing?

- (1) A (2) C
(3) E (4) G
(5) Cannot be determined

197. Which one of the following combinations is true according to the given information?

- (1) A - Travelling - Maharashtra
(2) C - Dancing - Gujarat
(3) E - Reading - Karnataka
(4) D - Pottery Making - Rajasthan
(5) All are true

198. Who among the following belongs to the State of Karnataka?

- (1) B (2) D
(3) F (4) E
(5) Cannot be determined

199. Which of the following combinations is true about G?

- (1) Sculpting - Odisha
(2) Pottery making - Karnataka
(3) Dancing - Gujarat
(4) Singing - Kerala
(5) Travelling - Karnataka

200. The person who belongs to Punjab, likes :

- (1) Travelling (2) Sculpting
(3) Painting
(4) Pottery making
(5) Reading

Directions (201-206) : Study the following information carefully and answer the given questions :

(Corporation Bank SO (Marketing) Exam, 22.02.2014)

Eight people - A, B, C, D, E, F, G and H - are sitting around a circular table facing towards the centre, but not necessarily in the same order. All of them are at equidistant. Each one

of them teaches different subjects viz., English, Hindi, Mathematics, Biology, Psychology, Physics, Chemistry and Accounts, but not necessarily in the same order.

The person who teaches Accounts, sits third to the right of G. C is an immediate neighbour of G. The person who teaches Mathematics sits second to the left of C. B sits third to the right of H. H teaches neither Accounts nor Mathematics. Only two persons sit between C and the person who teaches Physics. A and F are immediate neighbours of each other. Neither A nor F teaches Accounts. The person who teaches English sits second to the right of A. Two persons sit between D and the person who teaches Hindi. D does not teach Accounts. The person who teaches Psychology is an immediate neighbour of the person who teaches Accounts. The person who teaches Physics sits second to the left of A. One of the immediate neighbours of G teaches Chemistry.

201. Who among the following teaches Chemistry?

- (1) A (2) H
(3) D (4) G
(5) None of these

202. What is the position of B with respect to the person who teaches Psychology?

- (1) Second to the left
(2) Third to the right
(3) Third to the left
(4) Second to the right
(5) None of these

203. Who among the following sits exactly between the person who teaches Biology and the person who teaches Physics?

- (1) The person who teaches Mathematics
(2) E
(3) The person who teaches Accounts
(4) Cannot be determined
(5) There is no such person

204. Which of the following subjects does E teach?

- (1) Chemistry (2) Hindi
(3) Accounts (4) English
(5) None of these

205. Which of the following statements is true with regard to the given sitting arrangement?

- (1) The person who teaches Hindi is an immediate neighbour of both H and D.

- (2) One of the immediate neighbours of F teaches Biology
(3) E is sitting exactly between B and the person who teaches Mathematics
(4) The person who teaches Chemistry is second to the right of E
(5) All are true

206. Four of the following five are alike in a certain way based on the given sitting arrangement and hence form a group. Which is the one that does not belong to the group?

- (1) CF (2) GA
(3) BD (4) EH
(5) BA

Directions (207-211) : Study the following information carefully and answer the questions given below :

(SIBBI Officer Exam. 03.09.2014)

A building has seven floors numbered one to seven in such a way that the ground floor is numbered one, the floor above it number two, and so on such that the topmost floor is numbered seven. Among the seven persons L, M, N, O, P, Q and R, each one lives on different floor. O lives on fifth numbered floor. Three persons live between the floors of N and Q. N lives above the floor of O. P lives on the floor immediately above the floor of R. Only one person lives between the floors of L and P.

207. Who among the following lives immediately above M's floor?

- (1) L (2) Q
(3) O (4) N
(5) R

208. Who among the following lives exactly between the floors of O and Q?

- (1) R (2) L
(3) N (4) M
(5) P

209. Who among the following lives on the topmost floor?

- (1) N (2) M
(3) L (4) Q
(5) R

210. Who among the following lives on the fourth numbered floor?

- (1) M (2) Q
(3) L (4) R
(5) P

211. Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?

- (1) N (2) O
(3) Q (4) R
(5) P

Directions (212-216) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT
CWE-IV, 18.10.2014)

There are seven friends - J, K, L, M, N, O and P. Each one of them has different profession viz., Accountant, Actor, Athlete, Choreographer, Doctor, Engineer and Lawyer, but not necessarily in the same order. They were born in the years 1983, 1984, 1986, 1987, 1990, 1992 and 1994, but not necessarily in the same order. The Lawyer was born in 1986 while the Athlete was born in 1984. K is a doctor and he was not born in the year 1983. P was born in the year 1992. P is neither Choreographer nor Actor. N was not born in the year 1994. N is not an Athlete. L was born in the year 1990. L is neither Accountant nor Choreographer. Doctor was not born in the year 1994. J is an Engineer. J was not born in the year 1994. O is not a Choreographer.

212. In which year O was born?

- (1) 1983 (2) 1984
(3) 1990 (4) 1987
(5) None of these

213. Which of the following statements is NOT true on the basis of information given above?

- (1) Accountant was born in the year 1992
(2) Engineer was born in the year 1983
(3) Doctor was born in the year 1987
(4) Choreographer was born in the year 1990
(5) All are true

214. Who among the following is a Choreographer?

- (1) J (2) K
(3) M (4) N
(5) Cannot be determined

215. Which of the following combinations of Friend-Profession-Year of Birth is correct?

- (1) O - Athlete - 1984
- (2) J - Engineer - 1987
- (3) P - Lawyer - 1994
- (4) L - Choreographer - 1990
- (5) M - Actor - 1992

216. Who among the following is the eldest?

- (1) Accountant
- (2) Choreographer
- (3) Doctor
- (4) Actor
- (5) Engineer

Directions (217-221) : Study the following information carefully and answer the questions given below :

(Bank of Baroda Junior Management Grade/Scale-I Exam, 18.04.2015)

Eight people - S, T, U, V, W, X, Y and Z - live on separate floors of an 8-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 8.

- Y lives on floor numbered 1. Only two people live between Y and T.
- S lives immediately above X. S lives on an even numbered floor.
- Only one person lives between X and W. X lives above W.
- Z lives on an odd-numbered floor above S.
- V does not live on the topmost floor.

217. Which of the following is true with respect to the given information?

- (1) Only one person lives between T and X.
- (2) Only two people live between T and U.
- (3) W lives immediately above Y.
- (4) Z lives on floor numbered 7.
- (5) U lives on an odd-numbered floor.

218. Who amongst the following lives between U and S?

- (1) Z
- (2) V
- (3) T
- (4) W
- (5) No one

219. Who among the following live on floor number 5?

- (1) U
- (2) X
- (3) V
- (4) T
- (5) Z

220. Who lives on the floor immediately below T?

- (1) S
- (2) Other than those given as options
- (3) Y
- (4) Z
- (5) W

221. How many people live between the floors on which Z and T live?

- (1) More than three
- (2) Three
- (3) No one
- (4) One
- (5) Two

Directions (222 - 224) : Study the following information carefully and answer the given questions :

(United Bank Of India PO Exam, 14.11.2010)

In a seven storey building, having floors numbered one to seven, P, Q, R, S, T and V each live on a different floor. (The ground floor is numbered floor no. 1, the floor above it floor no. 2 and so on.) One of the floors in the building is vacant. P lives on the fifth floor. No floor below fifth floor is vacant; also no odd numbered floor is vacant. Only S lives between T and V. T does not live on an odd numbered floor. T does not live on a floor immediately above or immediately below R's floor. Q does not live on the bottom-most floor.

222. Who lives on the topmost floor?

- (1) Q
- (2) S
- (3) R
- (4) V
- (5) No one as it is vacant.

223. On which of the following floors does R live?

- (1) Seventh
- (2) Sixth
- (3) Third
- (4) Second
- (5) First

224. Which of the following floors is vacant?

- (1) Seventh
- (2) Sixth
- (3) Third
- (4) Second
- (5) Fourth

Directions (225-226) : Read the following information carefully and answer the questions which follow :

(IBPS Bank PO/MT CWE Exam, 18.09.2011)

A, B, C, D, E and F live on different floors in the same building having six floors numbered one to six (the ground floor is numbered 1, the floor above it, number 2 and so on and the topmost floor is numbered 6).

A lives on an even numbered floor. There are two floors between the floors on which D and F live. F lives on a floor above D's floor. D does not live on floor number 2. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

225. Who amongst the following live on the floors exactly between D and F?

- (1) E, B
- (2) C, B
- (3) E, C
- (4) A, E
- (5) B, A

226. On which of the following floors does B live?

- (1) 6th
- (2) 4th
- (3) 2nd
- (4) 5th
- (5) Cannot be determined

Directions (227-232) : Study the following information carefully and answer the questions given below :

(IBPS RRBs Officer Scale-I & II CWE 12.09.2015)

Eight persons - K, L, M, N, O, P, Q and R - live on eight different floors of a building but not necessarily in the same order. The lower most floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. Each of them also likes a different superhero namely, Batman, Superman, Captain America, Thor, Hulk, Wolverine, Nova and Ironman, but not necessarily in the same order.

- The one who likes Thor lives on an even numbered floor. Only three persons live between the one who likes Thor and M.
- Only two persons live between M and N. N does not live on the lowermost floor. Only three persons live between N and the one who likes Hulk.
- O lives immediately above K. O lives on an even numbered floor. K does not like Hulk. K lives neither on floor numbered three nor five.
- Only two persons live between K and the one who likes Nova.
- Only one person lives between the one who likes Nova and Ironman. The one who like Ironman lives below the one who likes Nova.

● L lives immediately above Q. Only one person lives between Q and the one who likes Captain America.

● The one who likes Wolverine lives immediately above the one who likes Batman.

● P does not like Thor. K does not like Superman.

227. Which of the following pairs represent those who lives immediately above and immediately below N?

- (1) R, L
- (2) Other than those given as options
- (3) L, M
- (4) K, Q
- (5) R, Q

228. Four of the following five are alike in a certain way as per the given arrangement and so form a group. Which of the following does not belong to that group?

- (1) K - Floor numbered Five
- (2) Q - Floor numbered Six
- (3) L - Floor numbered Two
- (4) N - Floor numbered Seven
- (5) R - Floor numbered Eight

229. Which of the following superheroes does R like?

- (1) Other than those given as options
- (2) Superman
- (3) Nova
- (4) Thor
- (5) Batman

230. Which of the following superheroes does P like?

- (1) Ironman
- (2) Wolverine
- (3) Batman
- (4) Captain America
- (5) Other than those given as options

31. N lives on which of the following floor numbers?

- (1) Five
- (2) Three
- (3) Seven
- (4) One
- (5) Other than those given as options

32. As per the given arrangement, P is related to Nova and N is related to Wolverine in a certain way. To which of the following is M related to in the same way?

- (1) Superman
- (2) Batman
- (3) Captain America
- (4) Thor
- (5) Hulk

Directions (233-235) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-V (Preliminary) 03.10.2015)

Each of the six buildings P, Q, R, S, T and U houses different number of offices. S has more offices than only T and R. Q has more number of offices than P but less than U. R does not house the least number of offices. The building which houses the least number of offices has 5 offices. The building which has second highest number of offices has 23 offices. S has 11 less number of offices than Q.

233. Which of the following buildings has the second least number of offices?

- (1) Q
- (2) U
- (3) R
- (4) P
- (5) T

234. The number of offices in P is an even number which is divisible by 2 as well as 3. How many offices does P have?

- (1) 20
- (2) 24
- (3) 16
- (4) 18
- (5) 12

235. Which of the following is the number of offices in the building R?

- (1) 25
- (2) 12
- (3) 13
- (4) 14
- (5) 11

Directions (236-238) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-V (Preliminary) 04.10.2015)

Each of the six buildings — E, F, G, H, I and J — has different number of floors. Only three buildings have more number of floors than J. G has more number of floors than I but less than E. I has more number of floors than J. F does not have the least number of floors. The building having least number of floors has 5 floors. The building having third highest number of floors has 26 floors. F has 14 floors less than the number of floors in I.

236. If the number of floors in building G is less than 38 and is an odd number which is divisible by 3 but not 7, how many floors does G have?

- (1) 15
- (2) 35
- (3) 9
- (4) 27
- (5) 29

237. Which of the following buildings has the second highest number of floors?

- (1) I
- (2) F
- (3) J
- (4) H
- (5) G

238. How many floors does building J possibly have?

- (1) 22
- (2) 5
- (3) 11
- (4) 35
- (5) 12

Directions (239-241) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-V (Preliminary) 04.10.2015)

Each of the six buses—R, S, T, U, V and W—has different number of occupants. T has more number of occupants than R and S but less than V. U has less number of occupants than only W. S does not have the lowest number of occupants. The bus having second lowest number of occupants has 20 occupants and the bus having second highest number of occupants has 64 occupants. T has 21 less number of occupants than U.

239. Which of the following buses has third lowest number of occupants?

- (1) S
- (2) T
- (3) R
- (4) U
- (5) V

240. If the number of occupants of bus R is more than 7 and is an odd number which is divisible by 3 but not 5, how many occupants are there in bus R?

- (1) 9
- (2) 21
- (3) 15
- (4) 27
- (5) 19

241. How many occupants does bus V possibly have?

- (1) 43
- (2) 72
- (3) 52
- (4) 36
- (5) 68

Directions (242-246) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-V (Preliminary) 04.10.2015)

Seven persons namely, M, N, O, P, Q, R and S have an anniversary but not necessarily in the same order, in seven different months (of the same year) namely February, March, April,

June, September, October and November. Each of them also likes a different flower namely Rose, Jasmine, Lily, Marigold, Daffodil, Sunflower and Orchid but not necessarily in the same order.

R has an anniversary in the month which has more than 30 days. Only one person has an anniversary between R and the one who likes Rose. Both S and O have an anniversary in one of the months after the one who likes Rose. S has an anniversary immediately before O. The one who likes Lily has an anniversary in the month which has less than 30 days. Only three persons have an anniversary between the one who likes Lily and the one who likes Orchid. Only two persons have an anniversary between S and the one who likes Marigold. P has an anniversary immediately after the one who likes Marigold. Only two persons have an anniversary between P and Q. M has an anniversary immediately before the one who likes Jasmine. O does not like Sunflower.

242. Which of the following represents the month in which S has an anniversary?

- (1) Cannot be determined
- (2) October
- (3) March
- (4) April
- (5) September

243. Which of the following does O like?

- (1) Rose
- (2) Jasmine
- (3) Marigold
- (4) Daffodil
- (5) Orchid

244. As per the given arrangement, Lily is related to April and Marigold is related to September following a certain pattern, with which of the following is Orchid related to following the same pattern?

- (1) February
- (2) June
- (3) October
- (4) March
- (5) November

245. Which of the following represents the persons who have an anniversary in April and November respectively?

- (1) N, O
- (2) Q, M
- (3) Q, O
- (4) N, M
- (5) N, S

246. How many persons have an anniversary between the months in which Q and M have an anniversary?

- (1) None
- (2) One
- (3) Three
- (4) Two
- (5) More than three

Directions (247-249) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-V
(Preliminary) 10.10.2015
1st Sitting)

Six sales persons - U, V, W, X, Y, and Z - sell insurance policies. Each of them sold different number of policies. U sold more policies than both Y and Z but less than X.

Z sold more policies than only W. X did not sell the highest number of policies. The third highest number of policies sold is equal to 33. The least number of policies sold is equal to 11. Y sold 13 more policies than that of W.

247. Who among the following did sell exactly 33 policies?

- (1) X
- (2) Y
- (3) Z
- (4) U
- (5) Cannot be determined

248. Which of the following may represent the number of policies sold by Z?

- (1) 26
- (2) 19
- (3) 9
- (4) 36
- (5) 28

249. Who among the following did sell less policies than only V?

- (1) U
- (2) Y
- (3) X
- (4) Z

(5) Cannot be determined

Directions (250-252) : Study the following information carefully and answer the questions given below :

(IBPS Bank PO/MT CWE-V
(Preliminary) 10.10.2015)

Each of the six persons P, Q, R, S, T and U has lived in India for a different number of days. S has stayed for more number of days than R but less than T. P has stayed for more number of days than only U. T has not stayed for the most number of days. The one stayed for the second least number of days stayed for 14 days in India. The one who stayed for second highest number of days stayed for 47 days, S stayed for 15 days less than T.

250. For how many days did R possibly stay in India?

- (1) 56
- (2) 41
- (3) 33
- (4) 25
- (5) 11

251. Who amongst the following stayed for the second highest number of days?

- (1) U
- (2) T
- (3) Q
- (4) R
- (5) P

252. If the number of days for which Q stayed in India is less than 60 and is an even number which is divisible by 3 but not by 4, for how many days did Q stay in India?

- (1) 54
- (2) 42
- (3) 56
- (4) 48
- (5) 30

Directions (253-259) : Study the following information carefully and answer the questions given below :

(IBPS RRBs Officer Scale-I & II
CWE 13.09.2015)

Eight persons S, T, U, V, W, X, Y and Z live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. Each of them also works at a different banks namely, IDBI, SBI, HDFC, BOI, PNB, TJSB, Axis Bank and SVC, but not necessarily in the same order.

- Z lives on an even numbered floor. Only three persons live between Z and the one who works at BOI. W lives immediately below the one who works at BOI.
- Only three persons live between W and the one who works at Axis Bank.
- V lives immediately above T. V lives on an odd numbered floor. T does not work at BOI.
- Only two persons live between T and the one who works at SBI. The one who works at SBI does not live on the lowermost floor.
- The one who works at SVC lives immediately above the one who works at PNB. The one who works at SVC live on an even numbered floor but not on floor numbered two.

- Only one person lives between the one who works at SVC and the one who works at IDBI.
- X lives immediately above S. X lives on an even numbered floor. X does not work at TJSB.
- U does not work at PNB and does not live on floor numbered four.

253. Four of the following five are alike in a certain way based on the given arrangement and hence they form a group. Which one of the following does not belong to that group?

- (1) S — Floor numbered two
- (2) T — Floor numbered eight
- (3) W — Floor numbered six
- (4) Z — Floor numbered one
- (5) U — Floor numbered seven

254. V works at which of the following banks?

- (1) Axis Bank
- (2) SVC
- (3) IDBI
- (4) SBI
- (5) Other than those given as options

255. Which of the following pair represent those who live immediately above and immediately below Z?

- (1) S, T
- (2) T, V
- (3) Other than those given as options
- (4) S, V
- (5) X, Y

256. W works at which of the following banks?

- (1) Other than those given as options
- (2) PNB
- (3) Axis Bank
- (4) BOI
- (5) SBI

257. U lives on which of the following floor numbers?

- (1) One
- (2) Seven
- (3) Other than those given as options
- (4) Five
- (5) Two

258. As per the given arrangement, U is related to PNB and S is related to HDFC in a certain way. To which of the following is V related to in the same way?

- (1) SVC
- (2) SBI
- (3) IDBI
- (4) TJSB
- (5) Axis Bank

259. Study the following information carefully and answer the question which follows:

For the past three years the Government of State X has been organizing awareness programs for the Hoardings and banners have been put across the State promoting women upliftment and gender equality.

Which of the following cannot be consequence of the steps taken by the government of State X?

- (1) The rate of female foeticide in the state has come down from 280 cases per year to 30 cases per year
- (2) Dowry and domestic violence cases in the State dropped by 85% in the last couple of years.
- (3) Cases reported by women of the State regarding chain snatching on the roads have come down by 40% in the last two years.
- (4) Two years ago minimum 15% fee exemption was made mandatory for girl child in all public and private schools of the State.
- (5) In all the public organizations of the State, a minimum of 10% female employees has been made compulsory since the past two and a half years.

(IBPS RRBs Officer Scale-I & II
CWE 13.09.2015)

Directions (260-261): Study the following information carefully and answer the questions given below:

L, M, N, O and P are five different poles, each of different length. O is not the third shortest pole. N is bigger than only P. L is shorter than only one pole. The size of the shortest pole is 7 ft and that of the second tallest pole is 13 ft.

260. Which of the following poles is the third tallest?

- (1) M
- (2) Cannot be determined
- (3) N
- (4) P
- (5) L

261. According to the given arrangement, which of the following combinations of pole and length is correct?

- (1) N - 14 ft
- (2) P - 5 ft
- (3) O - 12 ft
- (4) L - 13 ft
- (5) Other than those given as options

262. If in the number 38564927, first all the even digits are arranged in ascending order and then all the odd digits are arranged in ascending order which digit will be fourth from the right end?

- (1) 3
- (2) 5
- (3) 4
- (4) Other than those given options
- (5) 6

263. If '4' is subtracted from each odd digit and '1' is added to each even digit in the number 947 6582, which of the following digits will appear twice in the new number thus formed?

- (1) Only 2
- (2) Both 1 and 7
- (3) Both 3 and 5
- (4) None
- (5) Only 1

(IBPS Specialist Officer
(Marketing) CWE 01.02.2016)

Directions (264-278): Study the following information carefully and answer the questions given below:

(IBPS Specialist Officer
(Marketing) CWE 01.02.2016)

Eight persons - K, L, M, N, O, P, Q and R - live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight.

P lives on an even numbered floor but not on the topmost floor. Only three persons live between L and P. O lives immediately below L. N lives immediately below P. K lives immediately above Q. There are as many persons between Q and R as are there between R and O.

264. If L and P interchange their positions and so do K and M, then who will live between M and L, as per the new arrangement?

- (1) Q
- (2) O
- (3) N
- (4) R
- (5) Other than those given as options

265. Who amongst the following lives on the floor numbered six?

- (1) M
- (2) R
- (3) Q
- (4) P
- (5) L

270. On which of the following floor numbers does M live?
(1) Eight (2) Six
(3) Three (4) Seven
(5) Two

271. As per the given arrangement, four of the following five are alike in a certain way and so form a group. Which one of the following does not belong to the group?
(1) MR (2) PN
(3) ML (4) LO
(5) NK

272. Who amongst the following live exactly between K and N?
(1) L, P (2) P, Q
(3) Q, O (4) R, L
(5) Q, R

273. If '2' is added to each odd digit and '1' is subtracted from each even digit in the number '2368547', which of the following digits will appear twice in the new number thus formed?
(1) None
(2) Both 3 and 5
(3) Only 1
(4) Both 5 and 7
(5) Only 2

(IBPS Specialist Officer (IT)
CWE 14.02.2016)

274. Study the given information carefully and answer the question given below:

Carmakers Kellbahn's domestic sales have surged as they have reported sales of 12,000 cars this December. This number is more than double the number of cars sold by them in the third quarter (October-December) put together last year.

Which of the following can be concluded from the given statement?

- (1) If 6000 more cars were sold in the third quarter of last year, the two numbers would have become equal.
- (2) Kellbahn definitely sold less than 6000 cars in December last year.
- (3) Addition of International sales figures would have made performance of last quarter better.

- (4) If 6000 less cars were sold in December this year, the number of cars sold would have been same as that in December last year.
- (5) Kellbahn definitely sold less than 12,000 cars in November this year.

(IBPS Specialist Officer (IT)
CWE 14.02.2016)

Directions (271-276): Study the following information carefully and answer the questions given below:

(IBPS Specialist Officer (IT)
CWE 14.02.2016)

Seven friends namely, P, Q, R, S, T, U and V visit seven different cities namely, Berlin, Kabul, Jakarta, Madrid, Chicago, Miami and Sydney, but not necessarily in the same order, starting from Monday to Sunday (of the same week.)

Q visits a city on Wednesday. Only one person visits between Q and the one who visits Madrid. T visits immediately after the one who visits Madrid. Only four persons visit between T and the one who visits Sydney. Only one person visits between the one who visits Sydney and R. The one who visits Berlin visits immediately before R. The one who visits Chicago visits on one of the days before the one who visits Berlin but not on Wednesday. More than three persons visit between the one who visits Chicago and P. Only two persons visit between S and the one who visits Miami. Only two persons visit between the one who visits Miami and the one who visits Jakarta. V does not visit Berlin.

271. On which of the following days does S visit a city?

- (1) Sunday (2) Thursday
(3) Tuesday (4) Saturday
(5) Friday

272. As per the given arrangement R is related to the one who visits Jakarta in a certain way and T is related to the one who visits Miami in the same way. To which of the following is V related to in the same way?

- (1) The one who visits Kabul
(2) The one who visits Sydney.
(3) The one who visits Madrid
(4) The one who visits Berlin.
(5) The one who visits Chicago

273. Which of the following cities does P visit?

- (1) Berlin (2) Jakarta
(3) Sydney (4) Madrid
(5) Miami

274. Which of the following statements is true about U?

- (1) All the given statements are true.
(2) U visits Berlin.
(3) U visits a city on Saturday.
(4) Only three persons visit between U and Q.
(5) U visits a city immediately before T.

275. Four of the following five are alike in a certain way and thus form a group as per the given arrangement. Which of the following does not belong to that group?

- (1) T - Thursday
(2) P - Sunday
(3) Q - Wednesday
(4) R - Friday
(5) V - Monday

276. Who amongst the following visits Kabul?

- (1) P (2) R
(3) S (4) U
(5) Q

Directions (277-281): Study the following information carefully and answer the questions given below:

(IBPS Specialist Officer (IT)
CWE 14.02.2016)

Eight persons — P, Q, R, S, W, X, Y and Z — live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight.

P lives on an odd numbered floor below the floor numbered six. Y lives immediately above P. Only three persons live between Y and W. There are as many persons between W and R as are there between R and Y. Z lives on an odd numbered floor below Y but not on the floor numbered three. Only one person lives between Q and X. Q lives above X.

277. Who amongst the following lives on the floor numbered three?

- (1) S (2) W
(3) X (4) P
(5) Q

278. As per the given arrangement, four of the following five are alike in a certain way, and so form a group. Which one of the following does not belong to the group?

- (1) W - Five (2) Y - One
(3) S - Three (4) Q - Four
(5) X - Eight

279. Who amongst the following lives exactly between S and X?

- (1) Only P (2) Only Q
(3) Both Z and R (4) No one
(5) Both P and Y

280. If Q and Y interchange their places and so do W and S, then who will live between Q and W as per the new arrangement?

- (1) P (2) X
(3) R (4) S
(5) Other than those given as options

281. On which of the following floor numbers does R live?

- (1) Two (2) Six
(3) Five (4) Seven
(5) Three

Directions (282-287): Study the following information carefully and answer the questions given below:

(IBPS Specialist Officer (IT) CWE 14.02.2016)

Seven friends namely, P, Q, R, S, T, U and V visit seven different cities namely, Berlin, Kabul, Jakarta, Madrid, Chicago, Miami and Sydney, but not necessarily in the same order, starting from Monday to Sunday (of the same week.)

Q visits a city on Wednesday. Only one person visits between Q and the one who visits Madrid. T visits immediately after the one who visits Madrid. Only four persons visit between T and the one who visits Sydney. Only one person visits between the one who visits Sydney and R. The one who visits Berlin visits immediately before R. The one who visits Chicago visits on one of the days before the one who visits Berlin but not on Wednesday. More than three persons visit between the one who visits Chicago and P. Only two persons visit between S and the one who visits Miami. Only two persons visit between the one who visits Miami and the one who visits Jakarta. V does not visit Berlin.

282. On which of the following days does S visit a city?

- (1) Sunday (2) Thursday
(3) Tuesday (4) Saturday
(5) Friday

283. As per the given arrangement R is related to the one who visits Jakarta in a certain way and T is related to the one who visits Miami in the same way. To which of the following is V related to in the same way?

- (1) The one who visits Kabul
(2) The one who visits Sydney.
(3) The one who visits Madrid
(4) The one who visits Berlin.
(5) The one who visits Chicago

284. Which of the following cities does P visit?

- (1) Berlin (2) Jakarta
(3) Sydney (4) Madrid
(5) Miami

285. Which of the following statements is true about U?

- (1) All the given statements are true.
(2) U visits Berlin.
(3) U visits a city on Saturday.
(4) Only three persons visit between U and Q.
(5) U visits a city immediately before T.

286. Four of the following five are alike in a certain way and thus form a group as per the given arrangement. Which of the following does not belong to that group?

- (1) T - Thursday
(2) P - Sunday
(3) Q - Wednesday
(4) R - Friday
(5) V - Monday

287. Who amongst the following visits Kabul?

- (1) P (2) R
(3) S (4) U
(5) Q

Directions (288-291): Read the following information carefully and answer the questions which follow:

(IDBI Bank Officer Exam.16.09.2012)

P, Q, R, S, T and V live on different floors in the same building having six floors numbered one to six (the ground floor is numbered 1, the floor above it, number 2 and so on and the topmost floor is numbered 6).

Q lives on an even numbered floor. Only two people live between the floors on which Q and V live. S lives on a floor immediately above the floor on which R lives. S does not live on an odd numbered floor. P does not live on a floor which is immediately above or immediately below the floor on which T lives. P does not live on the lowermost floor i.e. floor no. 1.

288. Who amongst the following live on the floors exactly between the floors on which Q and V live?

- (1) R, S (2) P, R
(3) S, T (4) P, T
(5) Cannot be determined

289. Who amongst the following lives on floor number 5?

- (1) P (2) Q
(3) T (4) V
(5) Cannot be determined

290. On which of the following floors does T live?

- (1) 3rd (2) 5th
(3) 1st (4) 4th
(5) Cannot be determined

291. How many people live on the floors above the floor on which P lives?

- (1) None (2) One
(3) Two (4) Three
(5) Cannot be determined

Directions (292-296): Study the following information carefully and answer the questions given below:

(BOB Manipal School of Banking Officer Online Exam, 14.08.2014)

A building has seven floors, numbered one to seven in such a way that the ground floor is numbered one, the floor above it numbered two and so on such that the topmost floor is numbered seven. One of the seven persons, viz, P, Q, R, S, T, U and V, live on each floor.

P lives on fourth floor. Two persons live between the floors of P and R. Two persons live between the floors of Q and S. Q lives on the floor immediately below the V's floor. Q does not live below the floor of U and S. Q lives on the floor of P. T lives on the floor immediately above the floor of R.

292. Who among the following lives on fifth floor?

- (1) T (2) S
(3) V (4) Q
(5) U

293. How many persons live between the floors of V and R ?
(1) None (2) Two
(3) Five (4) Three

294. Four of the following five are alike in a certain way based on the given arrangement and hence they form a group. Which one of the following does not belong to that group ?
(1) Q (2) R
(3) V (4) U
(5) S

295. Who among the following lives exactly between the floors of U and V ?
(1) P (2) T
(3) S (4) Q
(5) None

296. Who among the following lives immediately above the floor of P ?
(1) Q (2) U
(3) T (4) S
(5) V

Directions (297-301): Study the following information carefully and answer the questions given below :

A building has seven floors numbered one to seven, in such a way that ground floor is numbered one, the floor above it, number two and so on such that the topmost floor is numbered seven. One out of seven persons, viz., P, Q, R, S, T, U and V lives on each floor, but not necessarily in the same order. Each one of them is travelling to different places, viz., Bangalore, Chennai, Delhi, Jaipur, Kolkata, Mumbai and Patna, but not necessarily in the same order.

Three persons live on the floors above the floor of P. There is only one person between P and the person travelling to Bangalore. U lives immediately below the person who is travelling to Mumbai. The person who is travelling to Mumbai lives on an even numbered floor. P lives below the person travelling to Mumbai. Two persons are living between the persons who are travelling to Bangalore and Patna respectively. T lives immediately above R. T is not travelling to Patna. Two persons live between Q and the person travelling to Kolkata. The person who is travelling to Delhi is not living immediately above or below

the floor of Q. The person who is travelling to Kolkata lives below Q. S does not live immediately above or below the floor of P. V is not travelling to Chennai. The person who is travelling to Delhi does not live on the ground floor.

(IBPS RRBs Officer Scale-I
CWE, 06.09.2014)

297. Who among the following lives on the topmost floor ?
(1) U (2) Q
(3) V (4) T
(5) S

298. Four of the following five are alike in a certain way and hence they form a group based on the given arrangement. Which one of the following does not belong to that group?
(1) R (2) S
(3) V (4) U
(5) T

299. Who among the following travels to Delhi ?
(1) T (2) U
(3) S (4) R
(5) P

300. How many persons live between the person who is travelling to Mumbai and S ?
(1) Three (2) Four
(3) One (4) Two
(5) Five

301. Who among the following does live on the floor immediately above the floor of T ?
(1) S (2) Q
(3) U (4) P
(5) V

Directions (302 - 303) : Study the following information carefully and answer the questions given below :

(IBPS RRBs Officer Scale-I & II
CWE 12.09.2015)

Each of the six persons, P, Q, R, S, T and U has travelled to different number of countries. R has travelled to more number of countries than only S and T. Q has travelled to more number of countries than U but less than P. T is not the person who has travelled to least number of countries. The one who has travelled to second highest number of countries has travelled to 8 countries. The one who has travelled to the least number of countries has travelled to only two countries.

302. Who amongst the following has possibly travelled to 11 countries?
(1) P (2) R
(3) T (4) Q
(5) S

303. If it is given that R has travelled to four countries less than the number of countries travelled by Q, then to how many countries has U possibly travelled?
(1) 4 (2) 9
(3) 3 (4) 6
(5) 10

SBI PO EXAMS

1. Six friends, A, B, C, D, E and F joined an Institute in the year 1993 but on different days. Only E has joined before C and after D. C joined immediately before A and immediately after B. F is not the first or the last person to join. Who is the first person joining the Institute?
(1) D (2) B
(3) A
(4) Data inadequate
(5) None of these

(SBI Associate Banks PO
Exam, 16.07.2000)

2. If the digits on the dial of a clock are replaced by alternate English alphabet beginning with D such as D replaces 1, F replaces 2 and so on, then where will be the hour hand at 19.45 O' clock?
(1) Between O and Q
(2) Between N and P
(3) Between P and R
(4) Between M and O
(5) None of these

(SBI Banks PO Exam, 20.08.2000)

Directions (3-7) : Study the following information carefully and answer the questions given below :

(SBI Management Executive
Exam, 23.02.2014)

In each of the following questions two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers are to be answered. The operations of numbers progress from left to right.

Rules : (i) If an odd number is followed by a two digit even number then they are to be added.

(ii) If an odd number is followed by a two digit odd number then the second number is to be subtracted from the first number.

(iii) If an even number is followed by a number which is a perfect square of a number then the second number is to be divided by the first number.

(iv) If an even number is followed by a two digit even number then the first number is to be multiplied by the second number.

(SBI PO Exam. 09.01.2005)

3. 15 11 20 400
8 12 10

If the resultant of the second set of numbers is divided by the resultant of the first set of numbers what will be the outcome?

- (1) 196 (2) 200
(3) 19 (4) 92

(5) None of these

4. 40 30 3600
15 24 17

What is the sum of the two resultant numbers of the set of numbers given above?

- (1) 22 (2) 25
(3) 28 (4) 42

(5) None of these

5. 8 16 16 14
13 11 12 144

What is the difference between the resultant of the first set of numbers and the second set of numbers?

- (1) 222 (2) 210
(3) 118 (4) 106

(5) None of these

6. 13 11 4
17 13 12

If the resultant of the first set of numbers is multiplied by the resultant of the second set of numbers, what will be the outcome?

- (1) 48 (2) 96
(3) 69 (4) 75

(5) None of these

7. 19 15 12
15 12 23 16

If the resultant of the second set of numbers is subtracted from the resultant of the first set of numbers what will be the outcome?

- (1) 44 (2) 92
(3) 29 (4) 43

(5) None of these

Directions (9-12) : Study the following information carefully and answer the given questions :

(SBI Management Executive Exam. 23.02.2014)

Eight persons - A, B, C, D, E, F, G and H - are travelling in three different Cars namely X, Y and Z, but not necessarily in the same order. There are at least two persons in each Car and each Car has persons of both the sexes. Out of eight persons three are females. All of them like different colours viz, Red, Green, Yellow, Blue, Black, White, Grey and Purple but not necessarily in the same order. One female does not like Grey or White colour. D is travelling with G in the Car Z. G likes Black colour. The persons who like Red and Purple colours, are travelling in the same Car. E does not like Purple colour and he is not travelling with H in the same car. A does not like purple nor Red colour. H is travelling in the Car Y. B, C and H are females in the group. B likes Blue colour and travels with the person who likes Black colour. Red and Green colours are liked by female members. The person who is travelling with H, likes Grey colour. One of the persons travelling in Car Z likes Yellow colour.

8. In which of the following Cars only two persons are travelling?

- (1) Car X (2) Car Y
(3) Car Z
(4) Cannot be determined
(5) None of these

9. The female member who is travelling in the Car X likes which colour?

- (1) Green (2) Blue
(3) Yellow (4) Red
(5) None of these

10. Who among the following likes Yellow colour?

- (1) D (2) E
(3) A (4) F
(5) None of these

11. Who among the following is/are travelling with female member C?

- (1) E and G (2) A and D
(3) E and F (4) D and E
(5) F and G

12. Which of the following combinations of Person-Car-Colour is not correct?

- (1) C - X - Red

- (2) F - X - Purple
(3) G - Z - Black
(4) D - Z - Yellow
(5) E - Y - Grey

Directions (13-15) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online Exam. 30.11.2014)

Each of the six people U, V, W, X, Y and Z stayed for a different number of days in India. X stayed for less number of days than only V. Y stayed for more number of days than only two people. U did not stay less than Y. W did not stay for the minimum number of days. The one who stayed for the second lowest number of days stayed for eight days. U stayed for 17 days in India.

13. The one who stayed for the maximum number of days stayed for 15 more days than W. Which of the following is possibly the number of days for which it stayed in India?

- (1) 5 (2) 32
(3) 23 (4) 20
(5) 17

14. Which of the following is true with respect to Z as per the given information?

- (1) The possible number of days for which Z stayed in India is 14 days.
(2) Z stayed for the minimum number of days.
(3) None of the given options is true
(4) Only two people stayed for more number of days than Z.
(5) Z definitely stayed for more number of days than Y.

15. Which of the following may be the possible number of days for which Y stayed in India?

- (1) 11 (2) 8
(3) 19 (4) 5
(5) 22

Directions (16-21) : Study the following information carefully and answer the questions given below :

(SBI Management Executive Exam. 19.09.2014)

A building has eight floors, numbered one to eight in such a manner that the ground floor is numbered one, the floor above it is numbered two and so on such that the

topmost floor is numbered eight. one of the eight persons — P, Q, R, S, T, U, V and W — lives on each floor, but not necessarily in the same order. Each one of them is a professor of different subjects viz. English, Geography, Statistics, Hindi, Mathematics, Economics, Sociology and History but not necessarily in the same order.

Three persons live between R and U. R lives on an odd numbered floor. Neither R nor U lives on the ground floor. The professor of Sociology lives immediately below R. Three persons live between the professor of Sociology and the professor of History. P lives immediately below U and immediately above the professor of Mathematics. Q is not the professor of Mathematics. V lives on fourth numbered floor. V is the professor of Hindi. The professor of Economics lives on the topmost floor. Two persons live between V and the professor of English. R is not the professor of English. S lives immediately above the professor of Statistics.

Neither S nor Q is the professor of Economics. W is not the professor of Mathematics.

16. Who among the following lives exactly between the floors of T and the professor of Geography?
- P
 - Professor of Sociology
 - Professor of Hindi
 - W
 - None of these
17. Who among the following lives on the topmost floor?
- W
 - R
 - U
 - T
 - V
18. Who among the following lives immediately above the floor of the professor of Statistics?
- Professor of Geography
 - Professor of Hindi
 - Professor of Mathematics
 - Professor of Sociology
 - Professor of History
19. Who among the following lives on third numbered floor?
- Professor of Mathematics
 - Professor of Geography
 - Professor of English
 - Professor of Statistics
 - Professor of History

20. How many persons live between the floors of W and the professor of Geography?
- None
 - Two
 - One
 - Four
 - Three

21. Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?

- Professor of Economics
- Professor of Sociology
- Professor of Hindi
- Professor of History
- Professor of English

Directions (22-26) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online Exam. 29.11.2014)

Eight people P, Q, R, S, T, U, V and W live on separate floors of an 8-floor building. Ground floor is numbered-1, first floor is numbered-2 and so on until the topmost floor is numbered 8.

- P lives on floor numbered five. Only two people live between P and Q. Q lives above P.
 - V lives immediately above S. T lives immediately above R.
 - Only one person lives between T and W.
 - T lives above W. U lives on an odd numbered floor.
22. How many people live between the floors on which S and R live?
- More than four
 - Four
 - Two
 - One
 - Three
23. Who lives on the floor immediately above P?
- S
 - W
 - R
 - U
 - Other than those given as options
24. Which of the following statements is true with respect to the given information?
- Only one person lives between W and U
 - U lives on floor No.1
 - V lives on the top most floor
 - Only two people live between T and S
 - P lives immediately above W

25. Who among the following lives on floor No. 2?

- T
- S
- V
- R
- W

26. Who among the following lives between R and U?

- P
- No-One
- T
- W
- V

Directions (27-29) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online Exam. 29.11.2014)

Each of the six poles P, Q, R, S, T and U has a different height. P is taller than only three poles. S is taller than T but shorter than U. U is shorter than P. Q is not the tallest. The second shortest pole is 2 feet tall. The third tallest pole is 5 feet tall.

27. Which of the following may be the possible height of pole U?

- 7 Feet
- 2 Feet
- 5 Feet
- 3 Feet
- 1 Feet

28. The tallest pole is 11 feet taller than S. Which of the following may be the possible height of Q?

- 4 Feet
- 9 Feet
- 13 Feet
- 16 Feet
- 17 Feet

29. Which of the following is true with respect to the given information?

- Only two poles are shorter than Q.
- Q's height is definitely less than 2 Feet
- None of the given options is true
- S is the second tallest pole
- T is the shortest pole

Directions (30-32) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online Exam. 30.11.2014)

Each of the six people U, V, W, X, Y and Z stayed for a different number of days in India. X stayed for less number of days than only V. Y stayed for more number of days than only two people. U did not stay less than Y. W did not stay for the minimum number of days. The one who stayed for the second lowest number of days stayed for eight days. U stayed for 17 days in India.

PROBLEM SOLVING

30. The one who stayed for the maximum number of days stayed for 15 more days than W. Which of the following is possibly the number of days for which it stayed in India ?

- (1) 5 (2) 32
(3) 23 (4) 20
(5) 17

31. Which of the following is true with respect to Z as per the given information ?

- (1) The possible number of days for which Z stayed in India is 14 days.
(2) Z stayed for the minimum number of days.
(3) None of the given options is true
(4) Only two people stayed for more number of days than Z.
(5) Z definitely stayed for more number of days than Y.

32. Which of the following may be the possible number of days for which Y stayed in India ?

- (1) 11 (2) 8
(3) 19 (4) 5
(5) 22

Directions (33-37) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online Exam. 30.11.2014)

Eight people - A, B, C, D, E, F, G and H - live on separate floors of an 8 - floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the top most floor is numbered 8. C lives on Floor No. 3. Only one person lives between C and F. Only one person lives between C and G. E lives immediately above B. H lives immediately above F. H lives on any of the floors below D. Only one person lives between D and A. D lives above A.

33. Who lives on the floor immediately below D ?

- (1) Other than those given as options
(2) H (3) A
(4) G (5) C

34. Which of the following is true, with respect to the given information ?

- (1) Only one person lives between E and G
(2) A lives on an even numbered floor
(3) A lives immediately below C
(4) F lives on Floor number 5
(5) A lives immediately above H

35. How many people live between the floors on which D and C live ?

- (1) One (2) More than three
(3) Two
(4) Three (5) No one

36. Who amongst the following lives between B and G ?

- (1) No one (2) C
(3) E (4) H
(5) D

37. Who amongst the following lives on Floor number 5 ?

- (1) G (2) A
(3) F (4) D
(5) H

Directions (38-42) : Study the following information carefully and answer the questions given below :

(SBI PO Phase-I (Preliminary) Online Exam. 20.06.2015)

Seven persons - M, N, O, P, Q, R and S - live on separate floors of a seven-storeyed building, but not necessarily in the same order. The ground floor of the building is numbered 1, the floor above it 2 and so on until the topmost floor is numbered 7. Each person likes different cartoon characters, viz. Chipmunk, Flinstone, Jetson, Popeye, Scooby Doo, Simpson and Tweety, but not necessarily in the same order.

The person who likes Popeye lives on floor numbered 4. Only two persons live between P and the one who likes Popeye. M does not live on the lowermost floor. M lives on any odd numbered floor below the one who likes Popeye. S lives on an even numbered floor but neither immediately above nor immediately below the floor of M. Only two persons live between M and the

person who likes Tweety. Only one person lives between N and R. R lives on an even numbered floor and does not like Popeye. Only three persons live between the persons who like Chipmunk and Jetson respectively. The person who likes Chipmunk live on any floor above the N's floor. The person who likes Chipmanuk does not live on the topmost floor. O does not like Chipmunk or Jetson. The person who likes Scooby Doo lives on the floor immediately above the floor of the person who likes Simpson.

38. How many persons live between the floors on which S and P live ?

- (1) Three (2) Two
(3) Four (4) Five
(5) No One

39. Which of the following statements is/are true according to the given information?

- (1) Q lives on floor numbered 5 and he does not like Popeye
(2) M likes Scooby Doo and he does not live on floor numbered 4.
(3) O likes Flinstone and he lives on the topmost floor
(4) Only two persons live between the floors of Q and R
(5) All the statements are true

40. Who among the following lives on the floor immediately above the floor of M ?

- (1) N (2) R
(3) S (4) O
(5) No One

41. Who among the following lives exactly between the floors on which S and N live ?

- (1) P (2) R
(3) M (4) Q
(5) No one

42. Who among the following does like cartoon character Jetson ?

- (1) R (2) P
(3) N (4) Q
(5) S

Directions (43 - 47) : Study the following information carefully and answer the questions given below :

(SBI PO Phase-I (Preliminary) Online Exam. 21.06.2015)

Only one per-
R. R lives on
and does not
persons live
like Chipm-
ty. The per-
live on any
the person
not live on
like Chip-
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Seven persons A, B, C, D, K, L and M live on seven different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered seven. Each one of them also likes different games namely-Snooker, Badminton, Chess, Ludo, Cricket, Hockey and Polo (but not necessarily in the same order.)

Only three persons live between B and K. B lives on one of the floors above K. K does not live on the lowermost floor.

Only one person lives between B and the one who likes Chess. The one who likes Polo lives on one of the even numbered floors above the one who likes Chess.

Only two persons live between M and the one who likes Chess. The one who likes Snooker lives immediately above M.

A lives immediately above L. A does not like Chess.

The one who likes Ludo lives on one of the odd numbered floors below L. M does not like Ludo. D lives on one of the floors above C. Only one person lives between the one who likes Cricket and the one who likes Hockey.

D does not like Cricket. M does not like Badminton.

43. Which of the following games does B like?

- (1) Snooker (2) Ludo
- (3) Polo (4) Badminton
- (5) Chess

44. Who amongst the following lives on the floor numbered 4?

- (1) The one who likes Hockey
- (2) The one who likes Chess
- (3) A
- (4) L
- (5) B

45. Which of the following statements is true with respect to the given arrangement?

- (1) Only two persons live between K and M.
- (2) The one who likes Hockey lives immediately above K.
- (3) C likes Chess
- (4) C lives on an even numbered floor.
- (5) None of the given options is true.

46. If all the persons are made to sit in alphabetical order from top to bottom, the positions of how many people will remain unchanged?

- (1) None (2) Three
- (3) Two (4) One
- (5) Four

47. Which of the following combinations is true with respect to the given arrangement?

- (1) Polo-C (2) Ludo-B
- (3) Cricket-K (4) Snooker-A
- (5) Chess-L

Directions (48 - 52) : Study the following information carefully and answer the questions given below :

(SBI PO Phase-I (Preliminary)

Online Exam. 27.06.2015)

Seven persons J, K, L, M, N, O and P live on seven different floors of a building but not necessarily in the same order. The lower most floor of the building is numbered 1, the one above that is numbered 2 and so on till the topmost floor is numbered 7. Each one of them also likes a different subject namely-English, History, Commerce, Biology, Accounts, Geography and Computer (but not necessarily in the same order.)

● J lives on an odd numbered floor but not on the floor numbered 3. The one who likes Accounts lives immediately above J. Only two persons live between M and the one who likes Accounts.

● The one who likes History lives on one of the odd numbered floors above M. Only three persons live between L and the one who likes History. The one who likes Commerce lives immediately above L.

● The one who likes English lives immediately above the one who likes Computer. P lives on an odd numbered floor.

● Only one person lives between K and N. K lives on one of the floors above N. Neither L nor J likes Biology. N does not like Commerce.

48. Which of the following subjects does J like?

- (1) Geography (2) Computer
- (3) Commerce (4) History
- (5) English

49. Which of the following combinations is true with respect to the given arrangement?

- (1) Geography - L
- (2) History - O
- (3) Computer - P
- (4) Accounts - M
- (5) Biology - K

50. If all the persons are made to sit in alphabetical order from top to bottom, the positions of how many persons will remain unchanged?

- (1) Four (2) Two
- (3) None (4) One
- (5) Three

51. Which of the following statements is true with respect to the given arrangement?

- (1) The one who likes Computer lives immediately below J.
- (2) O likes History.
- (3) None of the given options is true.
- (4) Only four persons live between M and P.
- (5) P lives immediately below N.

52. Who amongst the following lives on the floor numbered 2?

- (1) K
- (2) The one who likes English
- (3) The one who likes Computer
- (4) M
- (5) O

Directions (53-59) : Study the following information carefully and answer the questions given below :

(SBI Specialist Officer
(Law Officer : MMGS Scale-II)
Online Exam, 19.04.2014)

P, Q, R, S, T, U, V and W live on different floors in the same building having eight floors numbered one to eight (the ground floor is numbered 1, the floor above it, number 2 and so on and the topmost floor is numbered 8).

There are only two floors between the floors on which P and R live. R lives on an odd numbered floor. There are four floors between the floors on which P and W live. T lives on a floor immediately above the floor on which U lives. There are only two floors between the floors on which V and S live. V lives on a floor above the floor of S. Q does not live on a floor immediately above or immediately below the floor on which R lives.

53. On which of the following floors does Q live ?

- (1) Fifth (2) Third
(3) Second (4) Fourth
(5) Sixth

54. Who amongst the following live on the floors exactly between S and R ?

- (1) V, W and Q (2) V, U and W
(3) U, V and Q (4) T, U and Q
(5) U, Q and W

55. Who amongst the following live on the odd numbered floors excluding R ?

- (1) U, W and S (2) Q, V and U
(3) U, T and S (4) T, W and S
(5) None of these

56. Who amongst the following lives on the topmost floor ?

- (1) T (2) P
(3) V (4) Q
(5) W

57. On which of the following floors does R live ?

- (1) Fifth (2) First
(3) Seventh (4) Third
(5) Either third or fifth

58. How many persons live between the floors of T and Q ?

- (1) Five (2) Three
(3) Two
(4) Either three or four
(5) Four

59. Who amongst the following live on the floor immediately above the floor of W ?

- (1) U (2) R
(3) V (4) T
(5) None of these

Directions (60-62) : Study the following information carefully and answer the questions given below :

(SBI Probationary Officer
Online Exam, 21.06.2014)

There are five statues - L, M, N, O and P - each of them having different height. Statue L is smaller than only statue M. Statue O is smaller than statue N. Statue O is longer than statue P. The height of the tallest statue is 20 feet. The height of the second smallest statue is 11 feet.

60. What will be the height of statue P ?

- (1) 13 feet (2) 15 feet
(3) 9 feet (4) 12 feet
(5) 14 feet

61. What will be the height of the third tallest statue ?

- (1) 13 feet (2) 10 feet
(3) 19 feet (4) 9 feet
(5) 11 feet

62. If the expressions $S = T > O \geq R$ and $P \leq O < Z$ are true, then which of the following is not true ?

- (1) $T > O$ (2) $R < S$
(3) $Z > R$ (4) $P > T$
(5) $P < Z$

Directions (63-65) : Study the following information carefully and answer the questions given below :

(SBI Probationary Officer
Online Exam, 26.06.2014)

In a building having five floors above the ground floor, E does not live on the topmost floor. A lives on the ground floor. There are four floors between B and A. The floor immediately below B's floor is vacant. C lives between D and E. D does not live on the floor immediately above A's floor.

63. Who lives immediately above A's floor ?

- (1) C (2) B
(3) E
(4) Either D or E
(5) Cannot be determined

64. Who lives on the topmost floor ?

- (1) E (2) C
(3) D (4) B
(5) Cannot be determined

65. Which of the following floors is vacant ?

- (1) Fourth (2) Second
(3) Third (4) Fifth
(5) Cannot be determined

Directions (66-70) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online
Exam, 29.11.2014)

Eight people P, Q, R, S, T, U, V and W live on separate floors of an 8-floor building. Ground floor is numbered-1, first floor is numbered-2 and so on until the topmost floor is numbered 8.

- P lives on floor numbered five. Only two people live between P and Q. Q lives above P.
- V lives immediately above S. T lives immediately above R.
- Only one person lives between T and W.
- T lives above W. U lives on an odd numbered floor.

66. How many people live between the floors on which S and R live ?

- (1) More than four
(2) Four (3) Two
(4) One (5) Three

67. Who lives on the floor immediately above P ?

- (1) S (2) W
(3) R (4) U
(5) Other than those given as options

68. Which of the following statements is true with respect to the given information ?

- (1) Only one person lives between W and U
(2) U lives on floor No. 1
(3) V lives on the top most floor
(4) Only two people live between T and S
(5) P lives immediately above W

69. Who among the following lives on floor No. 2 ?

- (1) T (2) S
(3) V (4) R
(5) W

70. Who among the following lives between R and U ?

- (1) P (2) No-One
(3) T (4) W
(5) V

Directions (71-75) : Study the following information carefully and answer the questions given below :

(SBI Associates PO Online
Exam, 30.11.2014)

Eight people - A, B, C, D, E, F, G and H - live on separate floors of an 8-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the top most floor is numbered 8. C lives on Floor No. 3. Only one person lives between C and F. Only one person lives between C and G. E lives immediately above B. H lives immediately above F. H lives on any of the floors below D. Only one person lives between D and A. D lives above A.

71. Who lives on the floor immediately below D ?

- (1) Other than those given as options
(2) H (3) A
(4) G (5) C

72. Which of the following is true with respect to the given information?

- (1) Only one person lives between E and G
 - (2) A lives on an even numbered floor
 - (3) A lives immediately below C
 - (4) F lives on Floor number 5
 - (5) A lives immediately above H
73. How many people live between the floors on which D and C live?
- (1) One
 - (2) More than three
 - (3) Two
 - (4) Three
 - (5) No one

74. Who amongst the following lives between B and G?

- (1) No one
- (2) C
- (3) E
- (4) H
- (5) D

75. Who amongst the following lives on Floor number 5?

- (1) G
- (2) A
- (3) F
- (4) D
- (5) H

RBI GRADE-B/NABARD GRADE-A OFFICER EXAMS

1. If it is possible to make a three digit number, which is a perfect square of a two digit number from the second, third, and fifth digits of the number 3850692, the two digit number is your answer. If it is not possible to make such a number, your answer is (5), i.e., None of these.

- (1) 26
- (2) 24
- (3) 27
- (4) 24 and 26 both
- (5) None of these

(RBI Grade-B Officer
Exam. 2008)

Directions (2-5) : Read the following information and five statements given below it carefully and answer the questions which follow.

(RBI Grade-B Officer's
Exam. 18.12.2011)

Steve Jobs himself said it: "It's smart to take an existing idea and enhance it beautifully." Apple did it and so did some of the most successful brands worldwide. To be successful, it is not essential to innovate every time. Old stuff in new packaging helps as well and is often referred to as 'innovation' which is a combination of innovation and imitation.

(A) As an innovation is a standalone product in the market, it reaps in all the profit till the 'innovators' imitate it, 'Innovation', however, is not profitable as there are many imitated products in the market at the same time, all reducing each other's profits.

(B) Brand X duplicated Brand Y's mobile phones with exactly the same features and same price range but failed to make an impact in the market.

(C) No one remembers the innovators after some time because they did not turn their idea into success. On the other hand the imitators did what they had to just at the right time.

(D) While Sanfy invented portable MP3 players, it was Apple which enabled MP3 players to play videos and games at a fairly reasonable price, thus capturing the market.

(E) 'Innovation' is a lot less risky business venture. An imitator is already equipped with the analysis of how market received the innovation.

2. Blind imitation of a product can never be successful and sustainable.

Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above proves the above statement most appropriately?

- (1) D
- (2) B
- (3) C
- (4) E
- (5) Both A and C

3. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents an **advantage** of imitating an existing product?

- (1) B
- (2) Both B and D
- (3) E
- (4) Both C and B
- (5) Both A and D

4. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above would contradict the fact that imitation of products is a successful market strategy?

- (1) A
- (2) C
- (3) D
- (4) E
- (5) Both B and E

5. 'Companies must add such values to their imitated products that not only distinguish their imitation but also add to customer satisfaction.'

Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above proves the above statement most appropriately?

- (1) A
- (2) Both A and B
- (3) Both A and E
- (4) Both A and C
- (5) Both B and D

Directions (6-11) : Study the following information carefully and answer the questions given below :

(RBI Officer Grade 'B' Phase-I
Exam. 21.11.2016)

Seven people namely M, N, O, P, Q, R and S like seven different genres of music namely Classical, Hip-hop, Pop, Jazz, Opera, Rock and Electronics but not necessarily in the same order. Each person also works in the same office but at a different position on the basis of seniority namely Trainee (TE), Assistant Manager (AM), Manager (MG), Senior Manager (SM), Chief Manager (CM), Executive Director (ED) and Director (DR) but not necessarily in the same order. (Please Note: The positions have been given in increasing order of seniority with TE being the junior most position whilst DR being the senior most position.)

Only one person is senior than O. The one who is senior than O likes Hip-Hop. Only two people are junior than R. M is junior than R and likes Electronics. M is not the junior most. Q is junior than the CM but senior than the one who likes Jazz. The one who likes is not the senior most. S likes Classical. The one who likes Pop is senior than Q but not the ED. P does not like Pop.

6. As per the given arrangement, R is related to Opera and Q is related to classical in a certain way. To which of the following is P related to in the same way?

(1) Pop (2) Jazz
(3) Rock (4) Electronica
(5) Hip-hop

7. Who amongst the following works as a MG?

(1) R (2) Q
(3) S (4) P

- (5) Other than those given as options

8. Which of the following pairs represents the people who have less experience than P and more experience than Q?

(1) M, S (2) R, O
(3) N, P (4) M, O
(5) N, O

9. Who amongst the following works as a TE?

(1) P (2) N
(3) R (4) S
(5) O

10. Which combination represents the position at which N works and the music genres that he likes?

(1) CM-Rock (2) CM-Pop
(3) SM-Classical (4) MG-Opera
(5) MG-Jazz

11. Which of the following music genres does R like?

(1) Electronica
(2) Pop (3) Rock
(4) Hip-Hop (5) Jazz

Directions (12 - 16) : Study the following information carefully and answer the questions given below :

(RBI Officer Grade 'B' Phase-I

Exam. 21.11.2015)

Eight people A, B, C, D, E, F, G and H, live on eight different floors of building (but not necessarily in the same order.)

The lowermost floor of the building is numbered one, the one above that is numbered two, and so on till the topmost floor is numbered eight. Each one of them plays a different game namely- San Andreas, Roadrash, Contra, Castlevania, Resident Evil, Tekken3, Dragon Quest and Metal Gear (but not necessarily in the same order).

G lives on an even numbered floor above the floor numbered two. Only three people live between the G and the one who plays Roadrash. E lives

immediately below the one who plays Roadrash.

Only two people live between E and the one who plays Tekken3. C lives immediately above the one who plays Tekken3. The one who plays San Andreas lives on an even numbered floor below C.

Only two people live between the one who plays San Andreas and the one who plays Dragon Quest. The one who plays Metal Gear lives immediately below B. B neither lives on the topmost floor nor plays Roadrash.

F lives on odd numbered floor but not the lowermost floor. Only two people live between F and the one who plays Resident Evil.

Only one person lives between D and the one who plays Contra. H lives immediately below the one who plays Castlevania.

12. Which of the following games does D play?

(1) San Andreas
(2) Roadrash (3) Tekken3
(4) Metal Gear
(5) Castlevania

13. How many people live between G and the one who plays Tekken3?

(1) One (2) None
(3) Two (4) Four
(5) Five

14. Which of the following statements is TRUE with respect to the given information?

(1) G plays Resident Evil
(2) C lives immediately below the one who plays Contra
(3) All the give statements are true
(4) B lives immediately above E.
(5) Only four people live between F and the one who play roadrash.

15. Who amongst the following live exactly between A and the one who plays Dragon Quest?

(1) D, the one who plays Resident Evil
(2) D, B
(3) E, H
(4) E, The one how plays Tekken 3
(5) F, The one who plays Roadrash

16. Four of the following five are alike in a certain way and so form a group. Which one of the following does not belong to the group?

(1) A-Contra
(2) H-Castlevania
(3) F-Tekken 3
(4) B-Dragon Quest
(5) C-Roadrash

Directions (17-21) : Study the following information carefully and answer the questions given below :

(RBI Officer Grade 'B' Phase-I
Exam. 21.11.2015)

Seven flights are bound to fly to different cities viz. Dubai, Sydney, London, Paris, Zurich Madrid and Rome from Monday to Sunday of the same week. Each flight departs at a different time viz. 4 pm, 5 pm, 6 pm, 7 pm, 8 pm, 9 pm and 10 pm in the night on their respective days. None of the information given is necessarily in the same order.

The flight to Dubai departs on Wednesday but neither at 5 nor at 8 pm.

There is only one day between the flight to Dubai and the flight which departs at 10 pm.

There are only three days between the flights which departs at 5 pm and the flight to Rome.

The flight which departs at 5 pm departs before the Rome bound flight.

The flight which departs on Monday neither departs at 5 pm nor does it fly to Sydney.

The flight which departs on Saturday leaves at a time before the flight which departs on Tuesday (i.e. if the Tuesday flight departs at 7 pm then the flight on Saturday departs at 6, 5 or 4 pm.)

The flight to London departs on the day immediately before the day on which the 8 pm flight departs.

The flights to Paris departs at 7 pm.

There is a difference of 2 hours between the Zurich bound flight and the London bound flight (i.e. if a London bound flight departs at 4 pm then the Zurich bound flight departs at either 2 pm or 6 pm on its respective day).

PROBLEM SOLVING

17. Which flight departs on the day immediately after the day on which the Paris bound flight departs?

- (1) The flight which departs at 7 pm.
- (2) The flight which departs on Thursday.
- (3) None as the Paris bound flight departs on Sunday
- (4) The flight which departs at 5 pm
- (5) The Zurich bound flight

18. At what time does the Sydney bound flight departs

- (1) 9 pm
- (2) 10 pm
- (3) 6 pm
- (4) 5 pm
- (5) 4 pm

19. Which flight departs exactly 1 hour after the Sydney bound flight on its scheduled day?

- (1) The flight which departs on Friday
- (2) The flight which departs on Thursday
- (3) The flight which departs at 10 pm
- (4) The London bound flight
- (5) The Rome bound flight

20. The Dubai bound flight reaches Dubai in 4 hours after its start. If the flight stops over at New Delhi at exactly half the total time, at what time would the flight arrive in New Delhi?

- (1) 8 pm
- (2) 11 pm
- (3) 7 pm
- (4) 6 pm
- (5) 12 midnight

21. Which of the following flights departs at 10 pm?

- (1) The flight which departs on Friday
- (2) The Zurich bound flight
- (3) The flight which departs on Friday
- (4) The Paris bound flight
- (5) The flight depending on the day immediately before the Sydney bound flight

22. If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7243651, which of the following numbers will appear twice in the new number thus formed?

- (1) Both 5 & 3
- (2) Both 3 & 7
- (3) Only 1
- (4) Only 9
- (5) None

(Nabard Officer Grade 'A' Online Exam. 01.03.2015)

Directions (23-27) : Study the following information carefully to answer the questions given below :

(RBI Officer Grade 'B' Phase-I Exam. 03.08.2014)

A building has seven floors numbered one to seven, in such a way that the ground floor is numbered one, the floor above it, number two and so on such that the topmost floor is numbered seven. One of the seven people, viz. A, B, C, D, E, F and G lives on each floor. A lives on fourth floor. C lives on the floor immediately below B's floor. Two people live between the floors of D and G. One people lives between the floors of G and A. Four people live between the floors of C and F.

23. Who among the following lives on the topmost floor?

- (1) F
- (2) B
- (3) G
- (4) D
- (5) E

24. Who among the following lives immediately above D's floor?

- (1) G
- (2) E
- (3) F
- (4) A
- (5) C

25. Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?

- (1) B
- (2) D
- (3) G
- (4) E
- (5) F

26. Who among the following lives on third numbered floor?

- (1) E
- (2) F
- (3) G
- (4) C
- (5) D

27. Who among the following lives exactly between the floors of E and F?

- (1) C
- (2) A
- (3) D
- (4) G
- (5) None of these

Directions (28 - 33) : Study the following information carefully and answer the questions given below :

(NABARD Officer Grade 'A' Online Exam. 01.03.2015)

Eight friends - J, K, L, M, N, O, P and Q - live on eight different floors of a building but not necessarily in the same order.

The lower most floor of the building is numbered one, the one above that is numbered two and so on until the topmost floor is numbered eight.

J lives on floor numbered six. Only one person lives between J and L. O lives on the floor immediately below L. Only one person lives between O and P. O lives above P. K lives on an even numbered floor but not on the floor numbered two. Only two persons live between K and Q. Q does not live on the lowermost floor. N lives on one of the floors above Q.

28. Which of the following statements is true about M?

- (1) K lives immediately above M
- (2) All the given statements are true.
- (3) Only two people live between M and Q.
- (4) M lives on the lowermost floor
- (5) M lives on an odd numbered floor.

29. Who amongst the following lives on the floor number seven?

- (1) P
- (2) Cannot be determined
- (3) O
- (4) N
- (5) K

30. Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which of the following does not belong to that group?

- (1) PL
- (2) MQ
- (3) OM
- (4) LN
- (5) QK

31. Who amongst the following lives on the floor numbered three?

- (1) O
- (2) P
- (3) N
- (4) L
- (5) Q

32. Who lives exactly between the floors on which J and L live?

- (1) P
- (2) Q
- (3) N
- (4) O
- (5) M

33. If P and L interchange their places, who will live between P and M?

- (1) J
- (2) No one
- (3) L
- (4) O
- (5) Q

INSURANCE EXAMS

Directions (1-5) : These questions are based on the following statement :

(United India Insurance Co. AAO Exam. 21.04.2002)

A cube of side 10 cm is coloured red with a 2 cm wide green strip along all the sides on all the faces. The cube is cut into 125 smaller cubes of equal size.

Now answer the following questions based on the above statement :

1. How many cubes have three green faces each?
(1) 0 (2) 4
(3) 6 (4) 8
2. How many cubes have one face red and an adjacent face green?
(1) 0 (2) 4
(3) 6 (4) 8
3. How many cubes have at least one face coloured?
(1) 25 (2) 50
(3) 98 (4) 125
4. How many cubes are without any colour?
(1) 0 (2) 1
(3) 8 (4) 27
5. How many cubes have at least two green faces each?
(1) 8 (2) 44
(3) 63 (4) 71
6. In a pile of reading material there are novels, story-books, dramas and comics. Every novel has a drama next to it, every story-book has a comic next to it and there is no story-book next to a novel. If there be a novel at the top and the number of books be 40, the order of the books in the pile is
(1) n d s c (2) d n c s
(3) c s d n (4) n s c d

(United India Insurance Co. AAO Exam. 21.04.2002)

7. There is a building with 18 floors excluding the ground floor numbered as G, 1, 2, ..., 18. In order to reach the 3rd floor one has to climb 42 steps. If the number of steps between any two floors be the same, how many steps in all will one have to climb in order to reach the 9th floor from the 5th floor?

- (1) 42 (2) 56
(3) 70 (4) 84

(United India Insurance Co. AAO Exam. 21.04.2002)

8. Six boys A, B, C, D, E and F play a game of cards. Each one has a pack of 10 cards. F borrows 2 cards from A and gives away 5 to C who in his turn gives 3 to B while B gives 6 to D who passes on 1 to E. Which two among these have an equal number of cards now?

- (1) C, E (2) A, B
(3) A, F (4) B, F

(United India Insurance Co. AAO Exam. 21.04.2002)

9. If $A + B = 15$, $B + C = 17$, $2A > B + C$ and $A + D = 2C$, then
(1) $A > B > C > D$
(2) $C > D > A > B$
(3) $D > C > A > B$
(4) $B > C > D > A$

(United India Insurance Co. AAO Exam. 21.04.2002)

Directions (10-14) : In each of the following series two terms have been put within brackets. Mark in your answer sheet.

(United India Insurance Co. (AAO) Exam. 11.03.2007)

- (1) if both the bracketed terms are right;
 - (2) if the first bracketed term is right and second is wrong;
 - (3) if the first bracketed term is wrong and the second is right; and
 - (4) if both the bracketed terms are wrong.
10. 0, 3, 30, (65), 105, (170), 252
 11. 6, (13), 22, (33), 46, 61, 78, 97
 12. 2, (5), 14, 23, (34), 47, 62
 13. 0, 3, 8, (28), 40, (65), 128
 14. 1, (3), 8, 16, 28, 46, (68)

Directions (15-22) : Read the following information carefully and answer the questions that follow. Following are the conditions for promotion from Junior Officer's Cadre to Senior Officer's Cadre in an organisation :

(United India Insurance Co. (AAO) Exam. 11.03.2007)

The candidate must-

- A. Have completed atleast 5 years in the organisation.
- B. Have secured 65% marks in the written test for promotion.

C. Have secured 60% marks in the Group Discussion.

D. Have secured 70% marks in the interview.

E. Have good record of his work performance.

F. Have good communication skill and gets along well with his colleagues.

G. Not be more than 40 years and less than 30 years as on 11.03.2007

H. Have good academic record, with an average of atleast 65% marks. However, in the case of a candidate who -

I. Satisfies all other conditions except (D) above but has secured 75% marks in the written test and 65% marks in the Group Discussion, the case is to be referred to the General Manager (Personnel)-GM (P) for the decision.

J. Satisfies all other criteria except (H) above but has secured an average of more than 60% marks, the case is to be referred to the Managing Director (MD) of the organisation.

Now read the information provided in the case of each candidate in each of the questions given below and decide on the basis of the information provided and based on the above conditions, which of the courses of action you would suggest. These cases are given as on 11.3.2007 (Remember you are not to assume anything which is not provided in the question).

15. 34 years old Ramesh has secured 76% marks in the written test for promotion, 66% marks in Group Discussion and 67% marks in the interview. He has good academic record with an average of 68% marks, good communication skill and gets along well with his colleagues. His work performance is good and he has completed 6 years in the organisation.

- (1) Promote
- (2) Refer to MD
- (3) Refer to GM (P)
- (4) Data inadequate

16. 34 years old Madhu has secured 60% marks in the written test for promotion, 72% marks in interview and 69% marks in Group Discussion. She has good communication skill and gets along well with her colleagues. Her record of work performance is good and she has completed 6½ years in the organisation.

- (1) Refer to MD
- (2) Do not promote
- (3) Promote
- (4) Data inadequate

17. 31 years old Jaiaram secured 67% marks in written test for promotion, 72% marks in Interview and 62% marks in Group Discussion. He has good academic record with an average of 67% marks and good communication skill. He has completed 9 years in the organisation. He gets easily annoyed and irritated with his colleagues and his record of work performance since the last two years is just average.

- (1) Promote
- (2) Refer to GM (P)
- (3) Refer to MD
- (4) Do not promote

18. 33 years old Ravi has secured 63% marks in Group Discussion, 71% marks in Interview and 66% marks in written test for promotion. She has good academic record with an average of 68% marks and has good communication skill. She gets along well with her colleagues and has good record of her work performance. She has completed 6 years in the organisation.

- (1) Refer to GM (P)
- (2) Do not Promote
- (3) Promote
- (4) Data inadequate

19. Dinesh has secured 70% marks in written test for promotion, 69% marks in Group Discussion and 72% marks in the interview. He has a good academic record with an average of 67% marks. He has good record of work performance and gets along well with his colleagues. He has good communication skill and has completed 7 years in the organisation.

- (1) Do not promote
- (2) Refer to GM (P)
- (3) Refer to MD
- (4) Data inadequate

20. 38 years old Mahmud has secured 65% marks in the written test for promotion, 73% marks in interview and 62% marks in Group Discussion. He has good record of his work performance, good communication skills and gets along well with his colleagues. He has good academic record with an average of 61% marks and has completed 7 years in the organisation.

- (1) Refer to GM (P)
- (2) Refer to MD
- (3) Promote
- (4) Do not promote

21. 32 years old Jayant has a good academic record with an average of 66% marks. He has secured 67% marks in Group Discussion, 75% marks in interview and 60% marks in written test for promotion. He has good communication skill and gets along well with his colleagues. He has good record of his work performance and has completed 7 years in the organisation.

- (1) Do not promote
- (2) Refer to MD
- (3) Refer to GM (P)
- (4) Data inadequate

22. 39 years old Suresh has secured 66% marks in written promotion test and has a good academic record with an average of 62% marks. He has secured 65% marks in Group Discussion and 72% marks in interview. He has good record of his work performance, gets well along with his colleagues and has good communication skill. He has completed 6 years in the organisation.

- (1) Do not promote
- (2) Refer to MD
- (3) Refer to GM (P)
- (4) Promote

Directions (23-26) : A company launches eight products- Q, R, S, T, U, V, W, Y, and Z in one of the four metros of India. The products were launched one after the other over the period of 6 months in 2006. The order in which the products were

launched is consistent with the following conditions :

(General Insurance Corporation
AAO Exam. 11.12.2011)

is launched before both Y and Q
Q gets launched after Z
T gets launched before V but after R

S gets launched after V
R gets launched before W

23. Which one of the following could be true ?

- (1) Y is the second product to be launched
- (2) R is the third product to be launched
- (3) Q is the fourth product to be launched
- (4) S is the fifth product to be launched

24. If Z is the seventh product to be launched, then which one of the following could be true?

- (1) W is the fifth product to be launched
- (2) T is the fourth product to be launched
- (3) R is the second product to be launched
- (4) V is the 6th product to be launched

25. If Q is the 5th product to be launched then each of the following could be true except :

- (1) Z is the first product to be launched
- (2) T is the 2nd product to be launched
- (3) V is the 3rd product to be launched
- (4) W is the 4th product to be launched

26. If S is the fifth product to be launched, which of the following is correct?

- (1) Q is the second product to be launched
- (2) V is the seventh product to be launched
- (3) T is the sixth product to be launched
- (4) None of these

Directions (27-29) : Refer to the following table. Given below are the win loss histories of four tennis players in three set matches and number of matches played.

(General Insurance Corporation
AAO Exam. 11.12.2011)

PROBLEM SOLVING

| | P | Q | R | S |
|----------|----|----|----|----|
| Won 2-0 | 23 | 18 | 10 | 16 |
| Won 2-1 | 13 | 16 | 13 | 14 |
| Lost 0-2 | 8 | 13 | 16 | 13 |
| Lost 1-2 | 6 | 8 | 20 | 17 |

27. If a win carries an award of Rs.1500 and a loss of Rs.1000 which is the largest difference in prize money earned among the four?

- (1) Rs. 7000 (2) Rs. 14000
(3) Rs. 5000 (4) Rs. 9000

28. As in the case above, what is the lowest average prize money won per match by any player?

- (1) Rs. 1135 (2) Rs. 1300
(3) Rs. 1195 (4) Rs. 1150

29. As in the case above, what is the highest average prize money won per match by any player?

- (1) Rs. 1495 (2) Rs. 1360
(3) Rs. 1460 (4) Rs. 1410

Directions (30-37):

(General Insurance Corporation
AAO Exam. 11.12.2011)

Follow the given Instructions:

Each item has a question followed by two statements.

Mark (1) if the question can be answered by statement I alone.

Mark (2) if the question can be answered with the help of II alone.

Mark (3) if the question can be answered with the help of both the statements but not with the help of either statement itself.

Mark (4) if the question cannot be answered with the help of both the statements.

30. The average of three quotations for a particular item is Rs.120. Is the highest quotation less than or equal to Rs. 139?

- I. The lowest quotation is of Rs.90.
II. One of the quotation is Rs. 125.

31. How many people, read both Economic Times and Financial Express?

- I. Out of 300 readers, 200 read Financial Express, 220 read Economic Times and 50 read Indian Express.
II. Out of total 300 readers 220 read Economic Times, 200 read Financial Express and 50 read Neither.

32. A bus started from bus stop P, developed engine trouble and reached bus stop Q, 40 minutes late. What is the distance between the bus stops P and Q?

- I. The engine trouble developed after travelling 40 kms from bus stop P and the speed re-

duced to $\frac{1}{4}$ th of the original speed.

- II. The engine trouble developed after travelling 40 kms from bus stop P in 2 hours and

the speed reduced to $\frac{1}{4}$ th of the original speed.

33. What is the value of prime number x ?

- I. $x + y$ is a two digit number > 50 .

- II. y is a two digit number.

34. What is the Time difference in Nairobi and Mumbai?

- I. The departure time at Nairobi is exactly 6 P.M. local time and the arrival time in Mumbai is next day 3 AM local time.

- II. Flight time is six hours.

35. Sujata is the eldest daughter. What is the current age of her father?

- I. Current age of Sujata is 25 years and current age of her sister Sangeeta is 20 years.

- II. Sangeeta's current age is $\frac{1}{3}$ rd of father's age five years before.

36. Alka has two sisters and one brother. How many sisters does Sandhya have?

- I. Alka and Sandhya are Sisters.
II. Sandhya has one brother.

37. Madhav likes car X because its cost Rs. 5,00,000 is cheapest in C segment and Raghav likes car Y because its cost Rs.7,00,000 is highest in C segment. Which vehicle will be selected by Keshav?

- I. Keshav is looking for a car which is average representation of C segment.
II. Keshav's budget is around Rs. 5,50,000

38. 'A' went on tour on 15th August, which was the third Sunday of the month and came back on 30th September. So on which day of the month did he return?

- (1) Fourth Sunday
(2) Fourth Tuesday
(3) Fifth Thursday
(4) Third Saturday

(Oriental Insurance Company
Exam.08.04.2012)

39. If Thursday was the day after the day before Yesterday five days ago, what is the least number of days before the day after tomorrow?

- (1) Two (2) Three
(3) Four (4) Five

(Oriental Insurance Company
Exam.08.04.2012)

40. Which of the following expressions will not be true if the expression $U < V < W < X < Y = Z \geq A = B > C$ is definitely true?

- (1) $Z > C$ (2) $U < Y$
(3) $Y > V$ (4) $Z < U$
(5) $B < Y$

(United India Insurance AO
Exam. 26.05.2013)

Directions (41-45): Study the following information carefully and answer the questions given below:

(NIACL Administrative Officer
(AO) Exam. 10.01.2015)

Eight people J, K, L, M, N, O, P and Q live on separate floors of an 8-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 8.

L lives on floor number 5. Only one person lives between L and O.

Q lives on an odd numbered floor. Only one person lives between Q and J.

Only three people live between P and M. M lives below P. P does not live on the topmost floor.

K neither lives immediately above Q nor immediately above O.

41. How many people live between the floors on which P and J live?

- (1) Three (2) Two
(3) One (4) None
(5) More than three

42. On which of the following floor numbers does K live?

- (1) 8 (2) 2
(3) 4 (4) 3
(5) 6

43. Which of the following is true with respect to N as per the given information?
- N lives immediately above L.
 - Only five people live below N.
 - N lives on an odd numbered floor.
 - N lives on the topmost floor.
 - Only two people live between N and K.

44. Who among the following lives on floor number 1?
- | | |
|-------|-------|
| (1) K | (2) J |
| (3) M | (4) Q |
| (5) P | |

45. Who lives on the floor immediately below O?
- | | |
|-------|-------|
| (1) P | (2) Q |
| (3) J | (4) K |
| (5) N | |

Directions (46-50) : Study the following information carefully and answer the questions given below :

(NIACL Administrative Officer (AO) Online Exam, 11.01.2015)

Eight persons - S, T, U, V, W, X, Y and Z - live on separate floors of an eight storeyed building. Ground floor is numbered 1, the floor above it is numbered 2 and so on such that the topmost floor is numbered 8.

- T lives on floor number 6.
 - W lives on an even numbered floor.
 - W lives immediately below the floor of X.
 - Only one person lives between S and Z.
 - S lives below the floor of Z.
 - U lives on the lowermost floor.
 - S lives immediately below the floor of T.
 - V does not live on the topmost floor.
46. On which of the following floor numbers does V live?
- | | |
|-------|-------|
| (1) 2 | (2) 3 |
| (3) 4 | (4) 5 |
| (5) 7 | |
47. How many persons live between the floors of T and W?
- | | |
|-----------|----------|
| (1) Three | (2) Two |
| (3) One | (4) Four |
| (5) None | |

48. Which of the following statements is true with respect to T as per the given information?
- T lives immediately above X
 - Only three persons live below T
 - T lives on an odd numbered floor
 - T lives immediately below Z.
 - Only three persons live between T and U.

49. Who amongst the following lives on the floor immediately below Z?
- | | |
|-------|-------|
| (1) Z | (2) V |
| (3) S | (4) Y |
| (5) T | |

50. Who amongst the following lives on the floor number 5?
- | | |
|-------|-------|
| (1) V | (2) S |
| (3) X | (4) U |
| (5) W | |

Directions (51-54) : Study the following information carefully and answer the questions given below :

(NIACL Administrative Officer (AO) Online Exam, 12.01.2015)

Six lectures are scheduled in a week starting from Monday and ending on Sunday of the same week. Computer Science is not on Tuesday or Saturday. Psychology is immediately after Organisational Behaviour. Statistics is not on Friday and there is one day gap between Statistics and Research Methods. One day prior to the schedule of Economics there is no lecture (as that day is the 'off' day and Monday is not the 'off' day).

51. Which of the following is the last lecture scheduled?
- Statistics
 - Research Methods
 - Psychology
 - Cannot be determined
 - None of these
52. How many lectures were scheduled between Economics and Psychology?
- One
 - Two
 - Three
 - Cannot be determined
 - None of these
53. Which day is Computer Science scheduled?
- Monday
 - Wednesday
 - Thursday
 - Cannot be determined
 - None of these

54. If Wednesday was the 'off' day, the code would be 2-4. If Thursday was the 'off' day, the code would be 3-3. Taking account the 'off' day, which of the following code is correct?
- 2 - 4
 - 3 - 3
 - 4 - 2
 - Cannot be determined
 - None of these

Directions (55-59) : Study the following information carefully and answer the questions given below :

(OICL Specialist Officer (Finance) Exam, 03.05.2015)

Seven persons, namely A, B, C, D, E, F and G will be participating in seven different activities for annual college festival namely, Baking, Dancing, Singing, Painting, Acting, Running and Miming (not necessarily in the same order), from Monday to Sunday of the same week).

F will participate on Wednesday. Only one person will participate between F and the one who will participate in Acting. The one participating in painting will participate immediately before the one participating in Acting. C will participate immediately before E. Neither C nor E will participate in Acting. Only two persons will participate between C and the one who will participate in Miming. The one who will participate in Baking will participate after C (May or may not be immediately after). B will participate immediately after the one who will participate in Running. Only two persons will participate between G and A. G will participate before A. B will not participate in Singing.

55. Four of the following five are alike in a certain way as per the given arrangement and hence form a group. Which of the following does not belong to that group?
- E - Saturday
 - G - Monday
 - F - Tuesday
 - A - Wednesday
 - D - Thursday
56. Which of the following pairs represent those who will participate immediately before and immediately after F?
- | | |
|---------------------------------------|----------|
| (1) Other than those given as options | |
| (2) A, C | (3) B, D |
| (4) B, A | (5) G, C |

57. As per the given arrangement, B is related to painting and D is related to Baking in a certain way. To which of the following is A related in the same way?

- (1) Running (2) Dancing
(3) Other than those given as options
(4) Acting (5) Miming

58. On which of the following days will G participate?

- (1) Monday (2) Saturday
(3) Friday (4) Tuesday
(5) Thursday

59. In which of the following activities will D participate?

- (1) Other than those given as options
(2) Painting (3) Singing
(4) Running (5) Acting

Directions (60-63) : Study the following information carefully and answer the questions given below :

(LIC Assistant Administrative Officer (AAO) Online Exam. 05.03.2016)

Eight persons — B, C, D, E, F, G, H and I — live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the floor above that is numbered two and so on till the topmost floor is numbered eight.

D lives on the floor numbered 5. Only two persons live between D and I. B lives immediately below I. Only four persons live between B and C. H lives immediately above C but not on the topmost floor. F lives on an odd numbered floor. More than two persons live between F and E.

60. Four of the following five are alike in a certain way based on the above arrangement and hence form a group. Which one of them does not belong to the group?

- (1) GF (2) EC
(3) ID (4) BC
(5) HF

61. How many persons live between I and C?

- (1) One (2) Three
(3) More than three
(4) Two (5) None

62. If all the persons are made to live in alphabetical order from bottom to top, the positions of how many persons will remain unchanged?

- (1) More than three
(2) None (3) One
(4) Two (5) Three

63. Who amongst the following lives immediately below E?

- (1) D (2) C
(3) G (4) I
(5) H

Directions (64-65) : Study the following information carefully and answer the questions given below :

(LIC Assistant Administrative Officer (AAO) Online Exam. 05.03.2016)

Five persons namely, A, B, C, D and E buy different number of cookies. C buys more cookies than both B and E. D buys more cookies than B but less than A and E. A does not buy the maximum number of cookies. E does not buy the third highest number of cookies. The one who buys the maximum number of cookies buys 20 cookies.

64. Who amongst the following buys the second lowest number of cookies?

- (1) B (2) D
(3) E (4) C
(5) A

65. If the difference between the cookies bought by C and A is 8, then which of the following may possibly represent the number of cookies bought by E?

- (1) 12 (2) 8
(3) 15 (4) 5
(5) 10

Directions (66-70) : Study the following information carefully and answer the questions given below :

(LIC Assistant Administrative Officer (AAO) Online Exam. 05.03.2016)

Seven persons, namely, A, B, C, D, E, F and G like seven different colours namely, Blue, Green, Orange, Pink, Silver, Red and Yellow, but not necessarily in the same order. They will also attend a wedding, not necessarily in the same order, from Monday to Sunday (of the same week.)

E will attend a wedding on Wednesday. Only one person will attend wedding between E and the one

who likes pink. Only two persons will attend a wedding between the one who likes pink and the one who likes yellow. Only three persons will attend a wedding between the one who likes Pink and C. B will attend a wedding immediately after the one who likes pink. Only one person will attend a wedding between B and A. D will attend a wedding immediately before F. Only one person will attend a wedding between F and the one who likes green. F likes neither blue nor orange. The one who likes silver will attend a wedding immediately before the one who likes blue.

66. On which of the following days will G attend a wedding?

- (1) Monday (2) Tuesday
(3) Saturday (4) Thursday
(5) Friday

67. Which of the following colours does D like?

- (1) Silver (2) Blue
(3) Pink (4) Orange
(5) Red

68. Four of the following five are alike in a certain way as per the given arrangement and hence form a group. Which of the following does not belong to that group?

- (1) A-Pink (2) D-Blue
(3) C-Yellow (4) C-Silver
(5) E-Orange

69. As per the given arrangement A is related to Saturday and C is related to Sunday in a certain way. To which of the following is B related to in the same way?

- (1) Wednesday
(2) Tuesday (3) Friday
(4) Monday (5) Thursday

70. Which of the following pairs represent those who will attend a wedding immediately before and immediately after E?

- (1) D, A (2) B, A
(3) A, D (4) C, G
(5) G, A

Directions (71-74) : Study the following information carefully and answer the questions given below :

(LIC Assistant Administrative Officer (AAO) Online Exam. 06.03.2016)

Eight persons J, K, L, M, N, O, P and Q live on eight different floors of a building, but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight.

P lives on the floor numbered 3. Only one person lives between J and P. Only three persons live between M and J. O lives immediately above M. There are as many people between O and J as there are between P and Q. K lives on an even numbered floor. Only three persons live between K and L. K lives on any floor above L.

71. Four of the following five are alike in a certain way and hence form a group. Which one of them does not belong to the group?

- (1) LP (2) OK
(3) MO (4) KN
(5) NQ

72. Who amongst the following lives immediately below N?

- (1) Q (2) K
(3) P (4) O
(5) No one

73. If all the people are made to live in alphabetical order from bottom to top, the positions of how many people will remain unchanged?

- (1) Two (2) One
(3) None (4) Three
(5) More than three

74. How many people live between Q and P?

- (1) One (2) Three
(3) None (4) Two
(5) More than three

Directions (75-76): Study the following information carefully and answer the questions given below :

(LIC Assistant Administrative Officer (AAO) Online Exam. 06.03.2016)

Five persons A, B, C, D and E won different number of competitions. Only two persons won more number of competitions than E. B won more competitions than D but less than A. C won more competitions than D. C neither won the maximum number of competitions nor second lowest number of competitions. The one who won the second lowest number of competitions won 8 competitions.

75. If the difference between the number of competitions won by B and A is 16, then which of the following may possibly represent the number of competitions won by E?

- (1) 5 (2) 25
(3) 7 (4) 14
(5) 23

76. Who among the following won the second highest number of competitions?

- (1) C (2) E
(3) D (4) B
(5) A

Directions (77-81): Study the following information carefully and answer the questions given below :

(LIC Assistant Administrative Officer (AAO) Online Exam. 06.03.2016)

Seven persons, namely M, N, O, P, Q, R and S like seven different cars namely, Volkswagen, Audi, BMW, Mercedes, Nissan, Jaguar and Fiat but not necessarily in the same order. They will also attend a screening not necessarily in the same order, from Monday to Sunday (of the same week).

M will attend a screening on Friday. Only one person will attend a screening between M and the one who likes Jaguar. Only two persons will attend a screening between R and the one who likes Jaguar. The one who likes Nissan will attend a screening immediately before N. Only two persons will attend a screening between the one who likes Nissan and O. O does not like Jaguar. Only one person will attend a screening between the one who likes Mercedes and O. Q does not like Nissan. S will attend the screening immediately before Q. Only two persons will attend a screening between Q and the one who likes Audi. Only one person will attend a screening between the one who likes Volkswagen and the one who likes BMW. The one who likes BMW will attend the screening before the one who likes Volkswagen. N does not like Audi.

77. Which of the following pairs represent the persons who attend screening immediately before and immediately after M?

- (1) R, P (2) N, O
(3) N, P (4) Q, O
(5) Q, N

78. Four of the following five are like as per the given arrangement and hence form a group. Which of the following does not belong to that group?

- (1) M-BMW (2) Q-Audi
(3) S-Mercedes (4) P-Fiat
(5) R-Jaguar

79. On which of the following days will N attend a screening?

- (1) Tuesday (2) Monday
(3) Wednesday (4) Thursday
(5) Sunday

80. Which of the following cars does P like?

- (1) Audi (2) Nissan
(3) BMW (4) Fiat
(5) Cannot be determined

81. As per the given arrangement S is related to Thursday and R is related to Sunday in a certain way. To which of the following is Q related to in the same way?

- (1) Saturday (2) Monday
(3) Wednesday (4) Friday
(5) Tuesday

SHORT ANSWERS

NATIONALISED BANKS & IBPS PO/MT/SO EXAMS

| | | | |
|--------|--------|--------|--------|
| 1.(2) | 2.(3) | 3.(4) | 4.(5) |
| 5.(1) | 6.(3) | 7.(4) | 8.(4) |
| 9.(3) | 10.(2) | 11.(1) | 12.(4) |
| 13.(2) | 14.(5) | 15.(3) | 16.(3) |
| 17.(2) | 18.(5) | 19.(1) | 20.(4) |
| 21.(2) | 22.(5) | 23.(3) | 24.(1) |
| 25.(4) | 26.(2) | 27.(4) | 28.(2) |
| 29.(1) | 30.(5) | 31.(1) | 32.(4) |
| 33.(1) | 34.(2) | 35.(3) | 36.(1) |
| 37.(4) | 38.(3) | 39.(1) | 40.(4) |
| 41.(2) | 42.(3) | 43.(1) | 44.(5) |
| 45.(4) | 46.(3) | 47.(4) | 48.(1) |
| 49.(2) | 50.(3) | 51.(5) | 52.(3) |
| 53.(1) | 54.(5) | 55.(4) | 56.(2) |
| 57.(3) | 58.(5) | 59.(1) | 60.(5) |
| 61.(4) | 62.(3) | 63.(4) | 64.(5) |
| 65.(2) | 66.(5) | 67.(4) | 68.(3) |
| 69.(2) | 70.(3) | 71.(3) | 72.(1) |
| 73.(5) | 74.(1) | 75.(5) | 76.(3) |

| | | | |
|---------|---------|---------|---------|
| 77.(5) | 78.(1) | 79.(2) | 80.(4) |
| 81.(3) | 82.(1) | 83.(3) | 84.(2) |
| 85.(4) | 86.(4) | 87.(5) | 88.(3) |
| 89.(1) | 90.(1) | 91.(4) | 92.(4) |
| 93.(2) | 94.(2) | 95.(5) | 96.(4) |
| 97.(3) | 98.(2) | 99.(2) | 100.(1) |
| 101.(3) | 102.(1) | 103.(5) | 104.(4) |
| 105.(5) | 106.(2) | 107.(3) | 108.(5) |
| 109.(4) | 110.(1) | 111.(2) | 112.(3) |
| 113.(2) | 114.(5) | 115.(4) | 116.(4) |
| 117.(2) | 118.(1) | 119.(3) | 120.(4) |
| 121.(2) | 122.(3) | 123.(4) | 124.(1) |
| 125.(5) | 126.(4) | 127.(5) | 128.(2) |
| 129.(1) | 130.(4) | 131.(3) | 132.(5) |
| 133.(5) | 134.(5) | 135.(3) | 136.(3) |
| 137.(5) | 138.(1) | 139.(3) | 140.(5) |
| 141.(5) | 142.(2) | 143.(4) | 144.(3) |
| 145.(1) | 146.(5) | 147.(4) | 148.(3) |
| 149.(1) | 150.(4) | 151.(3) | 152.(4) |
| 153.(2) | 154.(4) | 155.(3) | 156.(5) |
| 157.(2) | 158.(3) | 159.(1) | 160.(4) |
| 161.(5) | 162.(4) | 163.(1) | 164.(3) |
| 165.(3) | 166.(2) | 167.(2) | 168.(1) |
| 169.(4) | 170.(3) | 171.(2) | 172.(2) |
| 173.(5) | 174.(2) | 175.(4) | 176.(5) |
| 177.(1) | 178.(3) | 179.(1) | 180.(3) |
| 181.(4) | 182.(5) | 183.(3) | 184.(1) |
| 185.(4) | 186.(3) | 187.(2) | 188.(4) |
| 189.(5) | 190.(5) | 191.(2) | 192.(1) |
| 193.(3) | 194.(5) | 195.(2) | 196.(2) |
| 197.(4) | 198.(3) | 199.(1) | 200.(5) |
| 201.(2) | 202.(4) | 203.(1) | 204.(3) |
| 205.(2) | 206.(5) | 207.(4) | 208.(2) |
| 209.(1) | 210.(3) | 211.(5) | 212.(2) |
| 213.(4) | 214.(3) | 215.(1) | 216.(5) |
| 217.(4) | 218.(1) | 219.(2) | 220.(5) |
| 221.(5) | 222.(1) | 223.(5) | 224.(2) |
| 225.(4) | 226.(1) | 227.(1) | 228.(2) |
| 229.(4) | 230.(5) | 231.(1) | 232.(3) |
| 233.(3) | 234.(4) | 235.(5) | 236.(4) |
| 237.(5) | 238.(1) | 239.(2) | 240.(1) |
| 241.(3) | 242.(2) | 243.(4) | 244.(5) |
| 245.(1) | 246.(3) | 247.(4) | 248.(2) |
| 249.(3) | 250.(4) | 251.(2) | 252.(1) |
| 253.(2) | 254.(1) | 255.(4) | 256.(1) |
| 257.(5) | 258.(3) | 259.(3) | 260.(1) |
| 261.(4) | 262.(1) | 263.(3) | 264.(1) |

| | | | |
|---------|---------|---------|---------|
| 265.(4) | 266.(3) | 267.(5) | 268.(2) |
| 269.(4) | 270.(5) | 271.(4) | 272.(5) |
| 273.(3) | 274.(2) | 275.(1) | 276.(2) |
| 277.(4) | 278.(3) | 279.(5) | 280.(1) |
| 281.(2) | 282.(4) | 283.(5) | 284.(3) |
| 285.(2) | 286.(1) | 287.(2) | 288.(1) |
| 289.(4) | 290.(3) | 291.(1) | 292.(5) |
| 293.(3) | 294.(1) | 295.(4) | 296.(2) |
| 297.(3) | 298.(1) | 299.(5) | 300.(2) |
| 301.(4) | 302.(1) | 303.(4) | |

SBI PO EXAMS

| | | | |
|--------|--------|--------|--------|
| 1.(1) | 2.(3) | 3.(5) | 4.(2) |
| 5.(4) | 6.(2) | 7.(1) | 8.(2) |
| 9.(4) | 10.(1) | 11.(3) | 12.(5) |
| 13.(3) | 14.(2) | 15.(1) | 16.(3) |
| 17.(1) | 18.(4) | 19.(2) | 20.(4) |
| 21.(5) | 22.(3) | 23.(1) | 24.(2) |
| 25.(5) | 26.(4) | 27.(4) | 28.(2) |
| 29.(5) | 30.(3) | 31.(2) | 32.(1) |
| 33.(4) | 34.(2) | 35.(3) | 36.(5) |
| 37.(1) | 38.(3) | 39.(5) | 40.(1) |
| 41.(4) | 42.(2) | 43.(4) | 44.(1) |
| 45.(2) | 46.(3) | 47.(5) | 48.(4) |
| 49.(1) | 50.(2) | 51.(3) | 52.(5) |
| 53.(3) | 54.(1) | 55.(4) | 56.(2) |
| 57.(1) | 58.(5) | 59.(3) | 60.(3) |
| 61.(1) | 62.(4) | 63.(3) | 64.(4) |
| 65.(1) | 66.(3) | 67.(1) | 68.(2) |
| 69.(5) | 70.(4) | 71.(4) | 72.(2) |
| 73.(3) | 74.(5) | 75.(1) | |

RBI GRADE-B/ NABARD GRADE-A OFFICER EXAMS

| | | | |
|--------|--------|--------|--------|
| 1.(5) | 2.(2) | 3.(3) | 4.(1) |
| 5.(5) | 6.(3) | 7.(1) | 8.(5) |
| 9.(4) | 10.(2) | 11.(5) | 12.(4) |
| 13.(2) | 14.(5) | 15.(3) | 16.(1) |
| 17.(3) | 18.(4) | 19.(4) | 20.(2) |
| 21.(5) | 22.(1) | 23.(2) | 24.(5) |
| 25.(3) | 26.(1) | 27.(4) | 28.(3) |
| 29.(5) | 30.(3) | 31.(1) | 32.(2) |
| 33.(4) | | | |

INSURANCE EXAMS

| | | | |
|--------|--------|--------|--------|
| 1.(1) | 2.(1) | 3.(3) | 4.(4) |
| 5.(1) | 6.(1) | 7.(2) | 8.(4) |
| 9.(3) | 10.(4) | 11.(1) | 12.(3) |
| 13.(2) | 14.(3) | 15.(3) | 16.(2) |
| 17.(4) | 18.(3) | 19.(4) | 20.(2) |
| 21.(1) | 22.(2) | 23.(4) | 24.(1) |
| 25.(4) | 26.(4) | 27.(1) | 28.(3) |
| 29.(2) | 30.(3) | 31.(2) | 32.(2) |
| 33.(4) | 34.(3) | 35.(3) | 36.(1) |
| 37.(3) | 38.(3) | 39.(2) | 40.(4) |
| 41.(2) | 42.(3) | 43.(4) | 44.(4) |
| 45.(1) | 46.(3) | 47.(1) | 48.(4) |
| 49.(5) | 50.(2) | 51.(5) | 52.(3) |
| 53.(3) | 54.(5) | 55.(2) | 56.(4) |
| 57.(3) | 58.(1) | 59.(5) | 60.(1) |
| 61.(2) | 62.(4) | 63.(5) | 64.(2) |
| 65.(3) | 66.(1) | 67.(4) | 68.(3) |
| 69.(5) | 70.(2) | 71.(2) | 72.(1) |
| 73.(3) | 74.(4) | 75.(4) | 76.(1) |
| 77.(1) | 78.(3) | 79.(5) | 80.(2) |
| 81.(4) | | | |

EXPLANATION

NATIONALISED BANKS & IBPS PO/MT/SO EXAMS

(1-5) : On the basis of given information and conclusions as well as sub-conclusions we can construct the following chart :

| Day | Person | City |
|-----------|--------|------------|
| Monday | R | Jalpur |
| Tuesday | P | Chandigarh |
| Wednesday | T | Hyderabad |
| Thursday | W | Delhi |
| Friday | S | Kolkata |
| Saturday | Q | Chennai |
| Sunday | V | Bangalore |

- 1.(2) Q left on Saturday.
- 2.(3) V left for Bangalore.
- 3.(4) T left on Wednesday.
- 4.(5) All combinations are correct.
- 5.(1) P left on Tuesday.

(6-10) : On the basis of given information and conclusions as well as sub-conclusions drawn from them we can construct the following chart :

(3) 4. (4)
(2) 8. (4)
(1) 12. (3)
(3) 18. (2)
(4) 20. (2)
(1) 24. (1)
(2) 28. (3)
(3) 32. (2)
(4) 36. (1)
(1) 40. (4)
(2) 44. (4)
(3) 48. (4)
(4) 52. (3)
(1) 56. (4)
(2) 60. (1)
(3) 64. (2)
(4) 68. (3)
(1) 72. (1)
(2) 76. (1)
(3) 80. (2)

| Person | Boarding Station | Leaving Station |
|--------|------------------|-----------------|
| A | IV | V |
| B | Base or I | III |
| C | Base or I | V |
| D | Base or I | III |
| E | Base | IV |
| F | Base or I | II |
| G | III | V |

- 6.(3) E gets down at Station IV.
7.(4) C and F get in either at Base Station or Station I.
8.(4) B and D get in either at Base Station or Station I.
9.(3) E gets down after three stations (I, II and III).
10.(2) E gets down after two stations at which F gets down.
(11-15) : On the basis of given information we can construct the following table :

| Person | Profession | Berth |
|--------|-------------|--------|
| B | Engineer | Lower |
| M | Pathologist | Upper |
| T | Pharmacist | Middle |
| R | Architect | Lower |
| K | Journalist | Middle |
| H | Lawyer | Upper |
| D | Doctor | Middle |

11. (1) Doctor
12. (4) DKT
13. (2) R-Lower-Architect
14. (5) None of these
15. (3) R

(16-20) :

| Friend | Specialisation | Favourite Colour |
|--------|----------------|------------------|
| P | Journalism | Yellow |
| F | Civil | Grey |
| R | IT | Orange |
| T | Finance | Blue |
| Q | Marketing | Pink |
| N | HR | Green |
| D | Pharmacy | Red |

Girls : Q, N and F

16. (3) F is studying Civil Engineering.
17. (2) F, N and Q are girls.
18. (5) R studies IT.
19. (1) P is studying Journalism.
20. (4) The combination Blue - T - Finance is correct.

$$21. (2) \frac{248}{8} = 31 \text{ [Condition (iii)]}$$

$$31 + 25 = 56 \text{ [Condition (i)]}$$

$$\text{Now, } 3 \times 56 = 168$$

[Condition (iii)]

$$\frac{168}{28} = 6 \text{ [Condition (iii)]}$$

$$22. (5) 24 \times 3 = 72 \text{ [Condition (ii)]}$$

$$\frac{72}{18} = 4 \text{ [Condition (iii)]}$$

$$\frac{4}{2} = 2 \text{ [Condition (iii)]}$$

Now,

$$17 + 81 = 98 \text{ [Condition (i)]}$$

$$\frac{98}{14} = 7 \text{ [Condition (iii)]}$$

$$7 \times 8 = 56 \text{ [Condition (ii)]}$$

$$\text{Product} = 2 \times 56 = 112$$

$$23. (3) 50 - 15 = 35 \text{ [Condition (iv)]}$$

$$35 \times 6 = 210 \text{ [Condition (ii)]}$$

Now,

$$210 - 125 = 85 \text{ [Condition (iv)]}$$

$$85 \times 2 = 170 \text{ [Condition (ii)]}$$

$$24. (1) 9 + 121 = 130 \text{ [Condition (i)]}$$

$$130 + 10 = 140 \text{ [Condition (iii)]}$$

$$\therefore m = 13$$

$$13 \times 12 = 156 \text{ [Condition (iii)]}$$

$$\frac{156}{26} = 6 \text{ [Condition (iii)]}$$

$$25. (4) 18 \times 7 = 126 \text{ [Condition (ii)]}$$

$$\frac{126}{6} = 21 \text{ [Condition (iii)]}$$

$$\text{Now, } 140 - 85 = 55 \text{ [Condition (iv)]}$$

$$55 + 49 = 104 \text{ [Condition (i)]}$$

$$\text{Sum} = 104 + 21 = 125$$

$$26. (2) \frac{2}{3}x \text{ students play football.}$$

$$\text{Remaining students} = x - \frac{2}{3}x$$

$$= \frac{3x - 2x}{3} = \frac{1}{3}x$$

Therefore, $\frac{1}{6}x$ play football and cricket.

$$\frac{1}{6}x = 10$$

(27-31) :

| Person | College | Discipline |
|--------|---------|-------------|
| P | A | Electronics |
| Q | B | Electrical |
| R | C | Mechanical |
| S | A | Mechanical |
| T | B | Mechanical |
| V | C | Electrical |
| W | B | Electrical |
| Z | A | Electronics |

27. (4) B-W-Electrical

28. (2) B only

29. (1) Electrical

30. (5) All A, B and C

31. (1) A

(32-36) :

| Candidate | Panel | Company |
|-----------|-------|---------|
| Harish | V | B |
| Samir | III | G |
| Nilesh | IV | A |
| Shailaja | I | D |
| Nikita | VI | E |
| Laxman | VII | F |
| Sujata | II | C |

32. (4) D

33. (1) C

34. (2) Samir

35. (3) Laxman

36. (1) Harish

$$37. (4) 14 + 11 = 25 \text{ [Rule (ii)]}$$

$$25 \times 9 = 225 \text{ [Rule (i)]}$$

$$225 - 104 = 121 \text{ [Rule (iii)]}$$

$$121 + 11 = 132 \text{ [Rule (iv)]}$$

$$38. (3) 36 + 27 = 63 \text{ [Rule (ii)]}$$

$$63 + 7 = 70 \text{ [Rule (iv)]}$$

$$9 \times 15 = 135 \text{ [Rule (i)]}$$

$$135 - 124 = 11 \text{ [Rule (v)]}$$

$$39. (1) 22 + 27 = 49 \text{ [Rule (ii)]}$$

$$49 + 7 = 56 \text{ [Rule (iv)]}$$

$$7 \times 9 = 63 \text{ [Rule (i)]}$$

$$63 - 14 = 49 \text{ [Rule (v)]}$$

$$49 + 7 = 56$$

$$40. (4) 81 - 56 = 25 \text{ [Rule (iii)]}$$

$$25 + 5 = 30 \text{ [Rule (iv)]}$$

$$5 \times 21 = 105 \text{ [Rule (i)]}$$

$$105 - 88 = 17 \text{ [Rule (v)]}$$

$$41. (2) 54 + 27 = 81 \text{ [Rule (ii)]}$$

$$81 - 34 = 47 \text{ [Rule (v)]}$$

$$49 - 22 = 27 \text{ [Rule (iii)]}$$

$$\frac{27}{3} = 9 \text{ [Rule (iv)]}$$

$$47 - 9 = 38$$

(42-46) :

| Member | Games | Instrument |
|--------|--------------|------------|
| A | Badminton | Flute |
| B | Carrom | Banjo |
| C | Lawn Tennis | Harmonium |
| D | Table Tennis | Tabla |
| E | Bridge | Santoor |
| F | Football | Guitar |
| G | Hockey | Sitar |

42. (3) E

43. (1) Table Tennis

44. (5) None of these

45. (4) F

46. (3) D

(47-51) :

| Member | City | Mother Tongue |
|--------|-----------|---------------|
| H | Chennai | Marathi |
| I | Hyderabad | Telugu |
| J | Bangalore | Kannada |
| K | Ahmedabad | Punjabi |
| L | Delhi | Bangla |
| M | Kolkata | Tamil |
| N | Mumbai | Hindi |

47. (4) Kannada

48. (1) H

49. (2) Tamil-M- Kolkata

50. (3) L

51. (5) None of these

(52-56) :

| Student | Favourite Subject | Favourite Sport |
|---------|-------------------|-----------------|
| P | Biology | Cricket |
| Q | History | Badminton |
| R | Philosophy | Hockey |
| S | Geography | Basketball |
| T | English | Football |
| V | Physics | Table Tennis |
| W | Chemistry | Volleyball |

52. (3) Q

53. (1) S

54. (5) None of these

55. (4) Badminton 56. (2) Biology

(57-61) :

| Student | Class | Favourite Colour |
|---------|-------|------------------|
| P | II | Green |
| Q | III | Black |
| R | IV | Red |
| S | I | Pink |
| T | VI | Yellow |
| M | V | Blue |

57. (3) IV

58. (5) None of these

59. (1) Green

60. (5) None of these

61. (4) V

62. (3) $196 - 46 = 150$ [Rule (iii)]

$150 + 15 = 165$ [Rule (ii)]

$\frac{117}{13} = 9$ [Rule (iv)]

$\frac{9}{3} = 3$ [Rule (iv)]

Now, $165 + 3 = 168$

63. (4) $5 \times 15 = 75$ [Rule (i)]

$75 - 40 = 35$ [Rule (v)]

$35 - 26 = 9$ [Rule (v)]

$\frac{9}{3} = 3$ [Rule (iv)]

64. (5) $10 + 15 = 25$ [Rule (ii)]

$\frac{25}{5} = 5$ [Rule (iv)]

$14 + 11 = 25$ [Rule (ii)]

$\frac{25}{5} = 5$ [Rule (iv)]

65. (2) $7 \times 15 = 105$ [Rule (i)]

$105 - 24 = 81$ [Rule (v)]

$12 + 27 = 39$ [Rule (ii)]

$\frac{39}{3} = 13$ [Rule (iv)]

Now, $81 - 13 = 68$

66. (5) $27 - 12 = 15$ [Rule (v)]

$\frac{15}{5} = 3$ [Rule (iv)]

$64 - 28 = 36$ [Rule (iii)]

$36 + 3 = 39$ [Rule (ii)]

(67-71) :

| Person | Department | Scale |
|--------|------------|-------|
| A | Finance | III |
| B | Sales | III |
| C | Finance | III |
| D | Sales | I |
| E | Finance | III |
| F | Operations | II |
| G | Sales | I |
| H | Operations | II |

67. (4) The combination Finance - E-III is correct.

68. (3) B, D and G work in Sales department.

69. (2) H belongs to scale II.

70. (3) G belongs to scale I.

71. (3) C belongs to scale III.

(72-76) :

| Student | Class | Favourite Subject |
|---------|-------|-------------------|
| A | VII | Marathi |
| B | VI | Geography |
| C | VI | Economics |
| D | VIII | Chemistry |
| E | VII | Biology |
| F | VI | Physics |
| G | VII | Mathematics |
| H | VIII | English |

72. (1) H likes English.

73. (5) G's favourite subject is Mathematics.

74. (1) C's favourite subject is Economics.

75. (5) None is correct.

76. (3) A, E and G study is Standard VIII.

(77-81) :

| Day | Date | Play |
|-----------|------|---------|
| Monday | 25th | A |
| Tuesday | 26th | Z |
| Wednesday | 27th | B |
| Thursday | 28th | No Play |
| Friday | 29th | M |
| Saturday | 30th | Q |
| Sunday | 31st | X |

77. (5) Play A was organised on Monday.

78. (1) Play Z was organised on Tuesday.

79. (2) 28th was 'No Play' day.

80. (4) First Play was organised on 25th.

81. (3) Play Q was organised on Saturday.

(82-86) :

(i) The mother of Mukesh and Rakesh is the head of family and she is a lawyer.

(ii) Mukesh is a teacher and his wife is a doctor. Ajay is son of Mukesh.

(iii) Rakesh is a teacher and his wife Mrs. Reena is a lawyer.

82. (1) Rakesh is a teacher and his wife, Mrs. Reena is a lawyer.

83. (3) Rakesh's wife is a lawyer.

84. (2) Male Members : Mukesh, Rakesh and Ajay.

85. (4) There is no information about the grandfather of Ajay.

96. (4) There is no information about the profession of Ajay.

(97-99):

| Friend | College | Profession |
|--------|---------|------------------|
| A | Y | Fashion Designer |
| B | Y | Actor |
| C | Y | Architect |
| D | Z | Teacher |
| E | X | Medicine |
| F | Z | Engineer |
| G | X | Businessman |

97. (5) D and F have studied in College Z.

98. (3) A, B and C were students of College Y.

99. (1) F's profession is Engineering.

100. (1) E is in the profession of Medicine.

101. (4) A is a Fashion Designer.

102. (4) The combination D - Z - Teaching is correct.

103. (2) D is a Teacher.

(94-96):

Amrita completed her PhD in three years.

Rhea completed her PhD in five years.

Smita completed her PhD in after five years six or seven years.

Deepa completed her PhD in eight years.

94. (2) Amrita took three years to completed her PhD.

95. (5) Smita took six or seven years to complete her PhD.

96. (4) Deepa took eight years to complete her PhD.

(97-101):

| Person | Pen | Car | Watch |
|----------|---------|--------|---------|
| Suman | Parker | Mica | Samay |
| Mrudula | Cello | City | Citizen |
| Anir | Lamy | Santro | Timex |
| Veena | Lexi | WagonR | Titan |
| Harsh | Pointer | Swift | |
| Fastrack | | | |

97. (3) Suman likes Samay watch.

98. (2) Harsh likes Pointer pen.

99. (2) Harsh likes Fastrack watch.

100. (1) Harsh likes Swift car.

101. (3) Veena likes Titan watch.

(102-106)

| Days | Games |
|-----------|-------------------------|
| Monday | Sprinting |
| Tuesday | Wrestling |
| Wednesday | Football |
| Thursday | Shooting |
| Friday | Basketball |
| Saturday | Boxing, Cycling |
| Sunday | Weightlifting, Swimming |

102. (1) Basketball

103. (5) Weightlifting and swimming

104. (4) Monday

105. (5) Sunday

106. (2) Basketball is scheduled immediately after Shooting. Similarly, Football is scheduled immediately after Wrestling.

107. (3) $12 + 21 = 33$ [Rule (ii)]

$$33 - 6 = 27 \text{ [Rule (v)]}$$

$$5 \times 27 = 135 \text{ [Rule (i)]}$$

$$135 - 88 = 47 \text{ [Rule (v)]}$$

108. (5) $9 - 6 = 3$ [Rule (iii)]

$$3 \times 15 = 45 \text{ [Rule (i)]}$$

$$45 - 12 = 33 \text{ [Rule (v)]}$$

$$\frac{33}{11} = 3 \text{ [Rule (iv)]}$$

109. (4) $18 + 37 = 55$ [Rule (ii)]

$$\frac{55}{5} = 11 \text{ [Rule (iv)]}$$

$$2 + 11 = 13 \text{ [Rule (ii)]}$$

$$13 - 6 = 7 \text{ [Rule (v)]}$$

110. (1) $64 - 16 = 48$ [Rule (iii)]

$$48 + 7 = 55 \text{ [Rule (ii)]}$$

$$49 - 34 = 15 \text{ [Rule (v)]}$$

$$15 \times 55 = 825 \text{ [Rule (i)]}$$

111. (2) $27 - 12 = 15$ [Rule (v)]

$$\frac{15}{3} = 5 \text{ [Rule (iv)]}$$

$$5 \times 9 = 45 \text{ [Rule (i)]}$$

$$\frac{45}{5} = 9 \text{ [Rule (iv)]}$$

(112-116):

| Days | Plays |
|-----------|-------|
| Monday | E |
| Tuesday | C |
| Wednesday | A |
| Thursday | F |
| Friday | B |
| Saturday | D |

112. (3) Three plays are staged after play A is staged.

113. (2) Except the group FD, in all other groups the two plays are staged one after the other in the same order.

114. (5) Play E is staged on Monday.

115. (4) E or B

| Days | Play | Play |
|-----------|------|------|
| Monday | D | D |
| Tuesday | C | C |
| Wednesday | A | E |
| Thursday | F | A |
| Friday | B | F |
| Saturday | E | B |

116. (4) Play F is staged on Thursday.

(117-121):

| Friend | Standard | Sport |
|--------|----------|--------------|
| T | VI | Basketball |
| U | VII | Badminton |
| V | VI | Carrom |
| W | VI | Scrabble |
| X | VIII | Table Tennis |
| Y | VII | Cards |
| Z | VIII | Chess |

117. (2) U likes Badminton.

118. (1) W likes to play Scrabble.

119. (3) X and Z study in standard VIII.

120. (4) The combination Z - VIII - Chess is correct

121. (2) Y likes Cards.

(122-126):

| Days | Flights |
|-----------|-----------------|
| Monday | Emirates |
| Tuesday | Jet Airways |
| Wednesday | Delta |
| Thursday | British Airways |
| Friday | Air India |
| Saturday | Quantas |
| Sunday | Lufthansa |

122. (3) Jet Airways flies on Tuesday.

123. (4) Three flights fly between Lufthansa and Delta

124. (1) Air India flies on Friday

125. (5) Quantas will fly on Friday

126. (4) There are two flights between Emirates and British Airways.

PROBLEM SOLVING

(127-131):

| Day | Movie |
|-----------|----------------------|
| Monday | Up |
| Tuesday | Ice Age |
| Wednesday | Beauty and the Beast |
| Thursday | Shark Tale |
| Friday | The Incredibles |
| Saturday | Finding Nemo |
| Sunday | Aladdin |

127. (5) 'Finding Nemo' and Aladdin were screened on consecutive days. But there is a gap of one day between the screening of other two films.

128. (2) 'Ice Age' was screened on Tuesday.

129. (1) 'Finding Nemo' was screened on Saturday.

130. (4) Three movies were screened before Shark Tale.

131. (3) 'Up' was screened on Monday.

The Incredibles' was screened on Friday.

'Finding Nemo' was screened on Saturday.

(132-138):

| Days | Lectures |
|-----------|--------------------------|
| Monday | Organisational Behaviour |
| Tuesday | Psychology |
| Wednesday | Statistics |
| Thursday | Computer Science |
| Friday | Research Methods |
| Saturday | OFF |
| Sunday | Economics |

132. (5) Economics was the last lecture.

133. (5) The code would be 5-1.

134. (5) Research Methods was organised on Friday.

135. (3) There were three lectures between Psychology and Economics.

136. (3) Computer Science was scheduled on Thursday.

137. (5) Saturday was the Off Day.

138. (1) He should attend Computer Science and Research Methods.

(139-143):

| Days | City | Subject of Conference |
|-----------|-----------|-----------------------|
| Monday | Delhi | Marketing |
| Tuesday | Chennai | HR |
| Wednesday | Pune | Management |
| Thursday | Indore | Banking |
| Friday | Hyderabad | Hospitality |
| Saturday | Mumbai | Real Estate |
| Sunday | Bhopal | Finance |

139. (3) There is one day gap between conferences held in Delhi and Pune. Similarly, there is one conference between conferences on Banking and Real Estate. Therefore, Indore would be related to Mumbai.

140. (5) The conference on Banking was held in Indore.

141. (5) Four conferences were held between conferences on Marketing and Real Estate.

142. (2) The conference on HR was held on Tuesday.

143. (4) The conference on Marketing was held on Monday.

(144-148):

| Days | Person | Country |
|-----------|--------|--------------|
| Monday | Samir | South Africa |
| Tuesday | Nita | Australia |
| Wednesday | Gifty | France |
| Thursday | Paul | Australia |
| Friday | Richa | South Africa |
| Saturday | Shweta | France |
| Sunday | Mohit | South Africa |

144. (3) Nita will travel on Wednesday.

145. (1) Shweta travelled on Saturday.

146. (5) None of the combinations is true.

147. (4) Nita travelled on Tuesday to Australia.

148. (3) Mohit travelled on Sunday.

(149-153):

| Days | Subject |
|-----------|------------|
| Monday | Physics |
| Tuesday | Botany |
| Wednesday | Maths |
| Thursday | Chemistry |
| Friday | Statistics |
| Saturday | Zoology |
| Sunday | English |

149. (1) Physics is taught on Monday.

150. (4) Three subjects are taught between Botany and Zoology.

151. (3) Zoology is taught on Saturday.

152. (4) Statistics is taught on Friday.

153. (2) Zoology is taught on the next day on Statistics. Statistics is taught on the next day of Chemistry.

(154-156):

| | |
|-----|---|
| 7th | G |
| 6th | C |
| 5th | D |
| 4th | A |
| 3rd | F |
| 2nd | E |
| 1st | B |

154. (4) G lives on the topmost floor.

155. (3) C lives immediately above D's floor.

156. (5) F, D, B and G live on odd numbered floor. C lives on even numbered floor.

(157-161):

| Friend | Bank Post |
|--------|-----------|
| A | S |
| B | M |
| C | N |
| D | L |
| E | R |
| F | Q |
| G | P |

157. (2) B works as an Agriculture Officer.

158. (3) C is an Economist.

159. (1) B works for bank M.

160. (4) A works for bank S and he is a Forex Officer.

161. (5) None is these.

(162-168):

| | | | | | | | |
|------|-----|-------|------|------|--------|-------|-------|
| LEFT | N | M | O | L | Q | P | RIGHT |
| | Red | White | Blue | Pink | Violet | Green | |

162. (4) Except in LQ, in all others there is a gap of one bottle.

163. (1) Chemical L is in Pink bottle.

164. (3) P- Green is correct.

165. (3) Chemical Q is in Violet bottle.

| | | | | | |
|---|---|---|---|---|---|
| N | M | O | L | Q | P |
| L | M | N | O | P | Q |

166. (2)

167. (2) Chemical N is in Red bottle.

PROBLEM SOLVING

166. (1) Chemical P is kept in the bottle at the extreme right.

(169-175):

| Days | Play | Duration |
|-----------|---------|-----------------------|
| Monday | C | 1 $\frac{1}{2}$ Hours |
| Tuesday | A | 1 Hour |
| Wednesday | E | 2 $\frac{1}{2}$ Hours |
| Thursday | F | 3 Hours |
| Friday | Off day | |
| Saturday | D | 2 Hours |
| Sunday | B | 1 $\frac{1}{2}$ Hours |

169. (4) Duration of Play B is $\frac{1}{2}$ Hour.

170. (3) Friday is off day.

171. (2) A — Tuesday — 1 Hour is correct.

172. (2) D is staged on Saturday.

173. (5) Four plays were staged before the off day.

174. (2) If D is staged on Monday,

Play E of $2\frac{1}{2}$ Hours duration will be staged on Thursday.

175. (4) Now, Saturday would be the off day.

(176-182):

| Day | Lecture |
|-----------|-------------|
| Monday | Mathematics |
| Tuesday | Psychology |
| Wednesday | Chemistry |
| Thursday | Computers |
| Friday | Biology |
| Saturday | Physics |
| Sunday | English |

176. (5) The lecture on Computers was held on Thursday.

177. (1) The combination Saturday — Physics is correct.

178. (3) Two lectures are scheduled between Chemistry and Physics.

179. (1) There is a gap of one day between the lectures on Chemistry and Biology. Therefore, Biology is related to English.

180. (3) The lecture on Psychology was scheduled on Tuesday.

181. (4) The lectures on Computers and Biology were held between the lectures on Chemistry and Physics.

182. (5) Five lectures. (183-187):

| Person | Sex | Vehicle | Destination |
|--------|--------|--------------|-------------|
| P | Male | Honda City | Hyderabad |
| Q | M/F | Honda City | Hyderabad |
| R | Male | Ford Ikon | Chennai |
| S | Female | Ford Ikon | Chennai |
| T | Male | Swift D'zire | Delhi |
| V | Male | Ford Ikon | Chennai |
| W | M/F | Honda City | Hyderabad |
| Z | Female | Swift D'zire | Delhi |

183. (3) R, S and V are travelling to Chennai in Car Ford Ikon.

184. (1) Four members are travelling in no car.

185. (4) S and Z are female members. The third female member is either P, Q or W.

186. (3) P and Q are travelling with W.

187. (2) P, Q and W are travelling in Honda City.

(188-192):

| Friend | Sex | Car | Destination |
|--------|--------|-----|---------------------|
| A | Female | Z | Agra |
| B | Male | Y | Chandigarh |
| C | M/F | Y | Chandigarh |
| D | Female | X | Delhi |
| E | M/F | X | Delhi |
| F | Female | X/Y | Delhi or Chandigarh |
| G | Male | X | Delhi |
| H | Male | Z | Agra |

188. (4) The sex of C and E is not known.

189. (5) None of the combinations is true.

190. (5) Four of them may be travelling in Car X.

191. (2) C is travelling in Car Y.

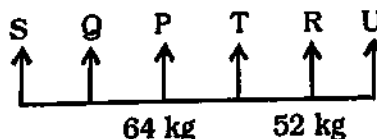
192. (1) The passengers of Car Y are travelling to Chandigarh.

(193-195): $Q > P > U$

$P > T > R$

$S > Q$

Now,



193. (3) $P > T > R$
 $\downarrow \qquad \qquad \downarrow$
 64 kg \qquad 52 kg
 Therefore, T may be of 58 kg.

194. (5) Four persons — S, Q, P and T — are heavier than R.

195. (2) Q is heavier than P and P's weight is 64 kg. Therefore, Q's weight may be 66 kg.

(196-200):

| Person | Hobby | State |
|--------|----------------|-------------|
| A | Painting | Maharashtra |
| B | Dancing | Gujarat |
| C | Singing | Kerala |
| D | Pottery making | Rajasthan |
| E | Reading | Punjab |
| F | Travelling | Karnataka |
| G | Sculpting | Odisha |

196. (2) C likes singing.

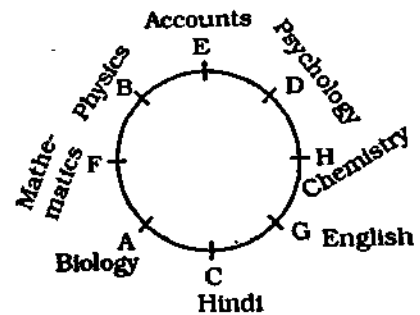
197. (4) The combination D — Pottery Making — Rajasthan is correct.

198. (3) F belongs to Karnataka.

199. (1) G — Sculpting — Odisha is correct.

200. (5) E belongs to Punjab and he likes reading.

(201-206):



201. (2) H teaches Chemistry.

202. (4) D teaches Psychology. B is second to the right of D.

203. (1) A teaches Biology and B teaches Physics. F, who teaches Mathematics is exactly between A and B.

204. (3) E teaches Accounts.

205. (2) The person who teaches Hindi is C and C is an immediate neighbour of A and G.

Immediate neighbours of F are A and B. A teaches Biology.

E is sitting exactly between B and D, who teaches Psychology.

H teaches Chemistry and H is second to the left of E.

206. (5) Except in the pair BA, in all others the first person is second to the right of the second person. In BA, the first person is second to the left of the second person.

(207-211):

| Floor Number | Person |
|--------------|--------|
| 7 | N |
| 6 | M |
| 5 | O |
| 4 | L |
| 3 | Q |
| 2 | P |
| 1 | R |

207. (4) N lives on the floor immediately above the floor of M.

208. (2) L lives exactly between the floor of O and Q.

209. (1) N lives on the topmost floor.

210. (3) L lives on the fourth numbered floor.

211. (5) Except P, all others live on odd numbered floors.

(212-216):

| Friend | Profession | Year of Birth |
|--------|---------------|---------------|
| J | Engineer | 1983 |
| K | Doctor | 1987 |
| L | Actor | 1990 |
| M | Choreographer | 1994 |
| N | Lawyer | 1986 |
| O | Athlete | 1984 |
| P | Accountant | 1992 |

212. (2) O is an Athlete and he was born in the year 1984.

213. (4) M is a Choreographer and he was born in the year 1994.

214. (3) M is a Choreographer.

215. (1) The combination O - Athlete - 1984 is correct.

216. (5) J is an Engineer and he was born in the year 1983. So, he is the eldest among the seven friends.

(217-221):

| Floor Number | Person |
|--------------|--------|
| 8 | U |
| 7 | Z |
| 6 | S |
| 5 | X |
| 4 | T |
| 3 | W |
| 2 | V |
| 1 | Y |

217. (4) X lives immediately above T. Three persons - Z, S and X - live between T and U.

W lives immediately above V.

U lives on floor number 8.

218. (1) Z lives between U and S.

219. (2) X lives on floor number 5.

220. (5) W lives on the floor immediately below T.

221. (5) Two persons - S and X - live between the floors on which Z and T live.

(222-224):

| Floor | Person |
|-------|--------|
| 7 | Q |
| 6 | Vacant |
| 5 | P |
| 4 | T |
| 3 | S |
| 2 | V |
| 1 | R |

222. (1) Q lives on the topmost floor.

223. (5) R lives on the first floor.

224. (2) Sixth floor is vacant.

(225-226):

| No. | Floor | Person |
|-----|--------------|--------|
| 6 | Fifth Floor | B |
| 5 | Fourth Floor | C |
| 4 | Third Floor | F |
| 3 | Second Floor | E |
| 2 | First Floor | A |
| 1 | Ground Floor | D |

225. (4) A and E live on the floors exactly between D and F.

226. (1) B lives on Fifth Floor numbered sixth.

(227-232):

| Floor Number | Person | Favourite Superhero |
|--------------|--------|---------------------|
| 8 | O | Wolverine |
| 7 | K | Batman |
| 6 | R | Thor |
| 5 | N | Captain America |
| 4 | L | Nova |
| 3 | Q | Superman |
| 2 | M | Ironman |
| 1 | P | Hulk |

227. (1) R lives immediately above N while L lives immediately below the floor of N.

228. (2)

K lives on floor numbered Seven $\Rightarrow (5 + 2)$

Q lives on floor numbered Three $\Rightarrow (6 - 3)$

L lives on floor numbered Four $\Rightarrow (2 + 2)$

N lives on floor numbered Five $\Rightarrow (7 - 2)$

R lives on floor numbered Six $\Rightarrow (8 - 2)$

229. (4) R likes Thor.

230. (5) P likes Hulk.

231. (1) N lives on floor numbered Five.

232. (3) L likes Nova and there are two persons between L and P. O likes Wolverine and there are two persons between O and N. Similarly, N likes Captain America and there are two persons between N and M.

(233-235):

P, Q, U > S > T, R

U > Q > P

U > Q > P > S > R > T

↓ ↓ ↓
23 12 5

233. (3) R has the second least number of offices.

234. (4) P has more than 12 but less than 23 offices. 18 is divisible by both 2 and 3.

235. (5) R has more than 5 but less than 12 offices.

(236-238):

□, □, □ > J > □, □

E > G > I.

E > G > I > J > □, □

E > G > I > J > F > H

↓ ↓
26 Floors 5 Floors

F has 26 - 14 = 12 floors

236. (4) G has second highest number of floors.

The probable number of floors G has = 27, 30, 33

27 and 33 are odd numbers and both are divisible by 3.

27 is given as an option.

237. (5) G has the second highest number of floors.

238. (1) J must have more than 12 but less than 26 floors.

(239-241):

V > T > R, S

W > U > V > T > R, S

W > U > V > T > S > R

↓ ↓ ↓
64 43 20

berd Four
berd Five
berd Six

numbered
ere are two
d P.
there are
P and N.
in Ameri-
reons be-

t num-

ut less
visible

t less

□

238. (2) The bus T has the third lowest number of occupants.
240. (1) The Bus R has less than 20 occupants but more than 7 occupants.
The numbers between 7 and 20, divisible by 3 :
9, 12, 15, 18
15 is divisible by 5 also.
9 is an odd number.
Therefore, option (1) is the answer.
241. (3) The Bus V has more than 43 but less than 64 occupants.

(242-246):

| Month | Person | Flower |
|-----------|--------|-----------|
| February | Q | Lily |
| March | R | Sunflower |
| April | N | Marigold |
| June | P | Rose |
| September | M | Orchid |
| October | S | Jasmine |
| November | O | Daffodil |

242. (2) S has an anniversary in the month of October.
243. (4) O likes Daffodil.
244. (5) Q likes Lily who has an anniversary in the month of February.

But, April is given with Lily.

Similarly, N likes Marigold who has an anniversary in the month of April. But, September is given with Marigold.

Therefore, Orchid is related to November.

245. (1) N has an anniversary in April. O has an anniversary in November.

246. (3) Three persons - R, N and P - have an anniversary between Q and M.

(247-249):

$$X > U > Y, Z$$

$$Z > W$$

X did not sell the highest number of policies.

$$V > X > U > Y > Z > W$$

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ 33 & 24 & 11 \end{array}$$

247. (4) U sold exactly 33 policies.
248. (2) Z sold more than 11 but less than 24 policies.
249. (3) X sold less policies than only V.

(250-252):

$$T > S > R$$

$$\square \cdot \square \cdot \square \cdot \square > P > U$$

$$Q > T > S > R > P > U$$

$$\downarrow \qquad \qquad \downarrow$$

$$47 \text{ days} \qquad 14 \text{ days}$$

$$S \text{ stayed for } 47 - 15 = 32 \text{ days}$$

250. (4) R stayed for more than 14 days but less than 32 days. Thus, R stayed for 25 days.

251. (2) T stayed for the second highest number of days.

252. (1) Q stayed for more than 47 days.

Even numbers between 47 to 60:

$$\Rightarrow 48, 50, 52, 54, 56, 58$$

54 is divisible by 3 but not by 4.

(253-258):

| Floor | Person | Bank |
|-------|--------|-----------|
| 8 | X | HDFC |
| 7 | S | SBI |
| 6 | Z | IDBI |
| 5 | V | Axis Bank |
| 4 | T | SVC |
| 3 | Y | PNB |
| 2 | U | BOI |
| 1 | W | TJSB |

253. (2) S lives on floor numbered seven.

$$7 - 5 = 2$$

T lives on floor numbered

$$4 - 5 = -1$$

W lives on floor numbered one.

$$1 + 5 = 6$$

Z lives on floor numbered six.

$$6 - 5 = 1$$

U lives on floor numbered two.

$$2 + 5 = 7$$

254. (1) V works at the Axis Bank.

255. (4) S lives immediately above Z. V lives immediately below Z.

256. (1) W works at the TJSB.

257. (5) U lives on floor numbered two.

258. (3) Y works at the PNB and lives immediately above U.

X works at the HDFC and lives immediately above S.

Z works at the IDBI and lives immediately above V.

259. (3) Obviously, option (3) cannot be a consequence of the awareness programme. It is related to improved law and order condition in the State X.

(260-261):

$$\begin{array}{ccccccc} \square & & \square & & \square & & N > P \\ \square & & L & & \square & & N > P \\ O & & L & & M & & N > P \end{array}$$

$$\downarrow \qquad \qquad \downarrow$$

$$13 \text{ feet} \qquad 7 \text{ feet}$$

260. (1) Pole M is the third tallest.

261. (4) The size of Pole L is 13 feet.

262. (1) 3 8 5 6 4 9 2 7
According to question,

$$2 \ 4 \ 6 \ 8 \ \boxed{3} \ 5 \ 7 \ 9$$

4th from the right end

263. (3)

$$\begin{array}{ccccccc} 9 & 4 & 7 & 6 & 5 & 8 & 2 \\ -4 \downarrow & +1 \downarrow & -4 \downarrow & +1 \downarrow & -4 \downarrow & +1 \downarrow & +1 \downarrow \\ 5 & 5 & 3 & 7 & 1 & 9 & 3 \end{array}$$

(264-268):

| Floor Number | Person |
|--------------|--------|
| 8 | K |
| 7 | Q |
| 6 | P |
| 5 | N |
| 4 | R |
| 3 | M |
| 2 | L |
| 1 | O |

264. (1)

| Floor Number | Person | After Interchange |
|--------------|--------|-------------------|
| 8 | K | M |
| 7 | Q | Q |
| 6 | P | L |
| 5 | N | N |
| 4 | R | R |
| 3 | M | K |
| 2 | L | P |
| 1 | O | O |

Now, Q lives between M and L.

265. (4) P lives on floor numbered six.

266. (3) M lives on floor numbered three.

267. (5) Two persons live between K and N. In all others, one person lives immediately above or below the second person.

268. (2) Q and P live exactly between K and N.

269. (4)

$$\begin{array}{ccccccc} 2 & 3 & 6 & 8 & 5 & 4 & 7 \\ -1 \downarrow & +2 \downarrow & -1 \downarrow & -1 \downarrow & +2 \downarrow & -1 \downarrow & +2 \downarrow \\ 1 & 5 & 5 & 7 & 7 & 3 & 9 \end{array}$$

Digits 5 and 7 appear twice.

PROBLEM SOLVING

270. (5) From the statements it is clear that less than 6000 cars were sold in the third quarter (October-December) put together last year. But it is not clear that how many cars were sold in each month from October to December last year.

After surge in the sales, 12,000 cars were sold in December this year. Therefore, Kellbahn definitely sold less than 12,000 cars in November this year.

(271-276):

| Day | Friend | City |
|-----------|--------|---------|
| Monday | V | Madrid |
| Tuesday | T | Chicago |
| Wednesday | Q | Miami |
| Thursday | U | Berlin |
| Friday | R | Kabul |
| Saturday | S | Jakarta |
| Sunday | P | Sydney |

271. (4) S visits Jakarta on Saturday.

272. (5) R visits Kabul immediately before S who visits Jakarta.

T visits Chicago immediately before Q who visits Miami.

V visits Madrid immediately before T who visits Chicago.

273. (3) P visits Sydney on Sunday.

274. (2) U visits Berlin on Thursday immediately before R.

Q visits Miami immediately before U.

275. (1) Except T - Thursday, all the combinations are correct.

T visits Chicago on Tuesday.

276. (2) R visits Kabul on Friday.

(277-281):

| Floor Number | Person |
|--------------|--------|
| 8 | W |
| 7 | Q |
| 6 | R |
| 5 | X |
| 4 | Y |
| 3 | P |
| 2 | S |
| 1 | Z |

277. (4) P lives on floor numbered three.

278. (3) W lives on floor numbered 8 and $8 - 3 = 5$.

Y lives on floor numbered 4 and $4 - 3 = 1$

Q lives on floor numbered 7 and $7 - 3 = 4$

X lives on floor numbered 5 and $5 + 3 = 8$

But, S lives on floor numbered 2 and $2 + 1 = 3$

279. (5) P and Y live between S and X.

280. (1)

| Floor Number | Person | After Interchange |
|--------------|--------|-------------------|
| 8 | W | S |
| 7 | Q | Y |
| 6 | R | R |
| 5 | X | X |
| 4 | Y | Q |
| 3 | P | P |
| 2 | S | W |
| 1 | Z | Z |

Now, P will live between Q and W.

281. (2) R lives on floor numbered six. (282-287):

| Day | Friend | City |
|-----------|--------|---------|
| Monday | V | Madrid |
| Tuesday | T | Chicago |
| Wednesday | Q | Miami |
| Thursday | U | Berlin |
| Friday | R | Kabul |
| Saturday | S | Jakarta |
| Sunday | P | Sydney |

282. (4) S visits Jakarta on Saturday.

283. (5) R visits Kabul immediately before S who visits Jakarta.

T visits Chicago immediately before Q who visits Miami.

V visits Madrid immediately before T who visits Chicago.

284. (3) P visits Sydney on Sunday.

285. (2) U visits Berlin on Thursday immediately before R.

Q visits Miami immediately before U.

286. (1) Except T - Thursday, all the combinations are correct.

T visits Chicago on Tuesday.

287. (2) R visits Kabul on Friday. (288-291):

| Floor No. | Person |
|-----------|--------|
| 6 | P |
| 5 | V |
| 4 | S |
| 3 | R |
| 2 | Q |
| 1 | T |

288. (1) S and R live on the floors exactly between the floors on which Q and V live.

289. (4) V lives on Floor Number 5.

290. (3) T lives on Floor Number 1.

291. (1) P lives on the topmost floor. (292-296):

| Floor number | Person |
|--------------|--------|
| 7 | V |
| 6 | Q |
| 5 | U |
| 4 | P |
| 3 | S |
| 2 | T |
| 1 | R |

292. (5) U lives on floor number five.

293. (3) Five persons - Q, U, P, S and T - live between the floors of V and R.

294. (1) Except Q, all others live on odd numbered floors.

295. (4) Q lives exactly between the floors of U and V.

296. (2) U lives immediately above the floor of P.

(297-298):

| Floor Number | Person | Destination |
|--------------|--------|-------------|
| 7 | V | Jaipur |
| 6 | Q | Mumbai |
| 5 | U | Patna |
| 4 | P | Delhi |
| 3 | T | Kolkata |
| 2 | R | Bangalore |
| 1 | S | Chennai |

297. (3) V lives on the topmost floor.

298. (1) Except R, all others live on odd numbered floors.

299. (5) P is travelling to Delhi.

300. (2) Four persons live between the floors of Q and S.

301. (4) P lives on the floor immediately above the floor of T.

302. (1) Q travelled to eight countries. Only P has travelled to more number of countries than Q.

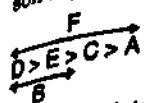
303. (4) R has travelled to $8 - 4 = 4$ countries

U has travelled to more than four but less than eight countries.

So, $U \Rightarrow 5, 6$ or 7

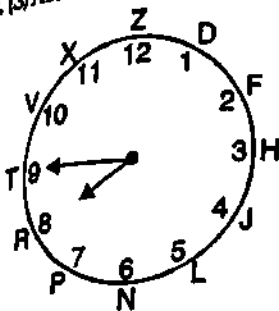
SBI PO EXAMS

1. (1) According to question
 $D > E > C$; $B > C > A$
 and F is not the first or last person to join. Now,



Clearly, D joined the institute first.

2. (3) According to question



$$\begin{array}{r} 11 : M : S \\ 19 : 45 : 00 \\ - 12 : 00 : 00 \\ \hline 7 : 45 \end{array}$$

$$19.45 = 07.45$$

3. (5) First Set of Numbers

$$\begin{array}{r} 15 \quad 11 \\ \Rightarrow 15 - 11 = 4 \text{ [Rule (ii)]} \\ 4 \quad 20 \\ \Rightarrow 4 \times 20 = 80 \text{ [Rule (iv)]} \\ 80 \quad 400 \end{array}$$

$$\Rightarrow \frac{400}{80} = 5 \text{ [Rule (iii)]}$$

Second Set of Numbers

$$\begin{array}{r} 8 \quad 12 \\ \Rightarrow 8 \times 12 = 96 \text{ [Rule (iv)]} \\ 96 \quad 10 \\ \Rightarrow 96 \times 10 = 960 \text{ [Rule (iv)]} \end{array}$$

$$\text{Now, } \frac{960}{5} = 192$$

4. (2) First Set of Numbers

$$\begin{array}{r} 40 \quad 30 \\ \Rightarrow 40 \times 30 = 1200 \text{ [Rule (iv)]} \\ 1200 \quad 3600 \end{array}$$

$$\Rightarrow \frac{3600}{1200} = 3 \text{ [Rule (iii)]}$$

Second Set of Numbers

$$\begin{array}{r} 15 \quad 24 \\ \Rightarrow 15 + 24 = 39 \text{ [Rule (i)]} \\ 39 \quad 17 \\ \Rightarrow 39 - 17 = 22 \text{ [Rule (iii)]} \\ \text{Now, } 3 + 22 = 25 \end{array}$$

5. (4) First Set of Numbers

$$\begin{array}{r} 8 \quad 16 \\ \Rightarrow \frac{16}{8} = 2 \text{ [Rule (ii)]} \\ 2 \quad 16 \end{array}$$

$$\Rightarrow \frac{16}{2} = 8 \text{ [Rule (iii)]}$$

$$\begin{array}{r} 8 \quad 14 \\ \Rightarrow 8 \times 14 = 112 \text{ [Rule (iv)]} \end{array}$$

Second Set of Numbers

$$\begin{array}{r} 13 \quad 11 \\ \Rightarrow 13 - 11 = 2 \text{ [Rule (ii)]} \\ 2 \quad 12 \end{array}$$

$$\Rightarrow 2 \times 12 = 24 \text{ [Rule (iv)]}$$

$$\begin{array}{r} 24 \quad 144 \end{array}$$

$$\Rightarrow \frac{144}{24} = 6 \text{ [Rule (iii)]}$$

$$\text{Now, } 112 - 6 = 106$$

6. (2) First Set of Numbers

$$\begin{array}{r} 13 \quad 11 \\ \Rightarrow 13 - 11 = 2 \text{ [Rule (ii)]} \\ 2 \quad 4 \end{array}$$

$$\Rightarrow \frac{4}{2} = 2 \text{ [Rule (iii)]}$$

Second Set of Numbers

$$\begin{array}{r} 17 \quad 13 \\ \Rightarrow 17 - 13 = 4 \text{ [Rule (ii)]} \\ 4 \quad 12 \end{array}$$

$$\Rightarrow 4 \times 12 = 48 \text{ [Rule (iv)]}$$

$$\text{Now, } 48 \times 2 = 96$$

7. (1) First Set of Numbers

$$\begin{array}{r} 19 \quad 15 \\ \Rightarrow 19 - 15 = 4 \text{ [Rule (ii)]} \\ 4 \quad 12 \end{array}$$

$$\Rightarrow 4 \times 12 = 48 \text{ [Rule (iv)]}$$

Second Set of Numbers

$$\begin{array}{r} 15 \quad 12 \\ \Rightarrow 15 + 12 = 27 \text{ [Rule (i)]} \\ 27 \quad 23 \end{array}$$

$$\Rightarrow 27 - 23 = 4 \text{ [Rule (ii)]}$$

$$\begin{array}{r} 4 \quad 16 \end{array}$$

$$\Rightarrow \frac{16}{4} = 4 \text{ [Rule (iii)]}$$

$$\text{Now, } 48 - 4 = 44$$

(8-12) :

| Person | Gender | Car | Colour |
|--------|--------|-----|--------|
| A | Male | Y | Grey |
| B | Female | Z | Blue |
| C | Female | X | Red |
| D | Male | Z | Yellow |
| E | Male | X | White |
| F | Male | X | Purple |
| G | Male | Z | Black |
| H | Female | Y | Green |

8. (2) A and H are travelling in the Car Y.

9. (4) C is the female member in the Car X. She likes Red colour.

10. (1) D likes Yellow colour.

11. (3) E and F are travelling with C.

12. (5) The combination E-Y-Grey is not correct.

E travels in Car X and he likes white colour.

(13-15) :

$$V > X > U > Y > W > Z$$

$$\begin{array}{ccc} & \downarrow & \downarrow \\ & 17 \text{ days} & 8 \text{ days} \end{array}$$

13. (3) W stayed for 8 days.

V stayed for maximum number of days.

$$15 + 8 = 23 \text{ days.}$$

14. (2) Z stayed for the minimum number of days.

15. (1) Y stayed for more than 8 days but less than 17 days.

(16-21) :

| Floor number | Person | Subject |
|--------------|--------|-------------|
| 8 | W | Economics |
| 7 | U | English |
| 6 | P | History |
| 5 | T | Mathematics |
| 4 | V | Hindi |
| 3 | R | Geography |
| 2 | S | Sociology |
| 1 | Q | Statistics |

16. (3) Professor of Hindi, V lives exactly between the floors of T and professor of Geography R.

17. (1) The professor of Economics W lives on the topmost floor.

18. (4) Professor of Sociology S lives immediately above the floor of professor of Statistics Q.

19. (2) Professor of Geography R lives on the third numbered floor.

20. (4) Four persons - U, P, T and V-live between the floors of W and the professor of Geography R.

21. (5) Except the Professor of English, all others live on even numbered floors.

(22-26) :

| Floor Number | Person |
|--------------|--------|
| 8 | Q |
| 7 | V |
| 6 | S |
| 5 | P |
| 4 | T |
| 3 | R |
| 2 | W |
| 1 | U |

22. (3) Two people - P and T - live between the floors on which S and R live.

23. (1) S lives on the floor immediately above P.

24. (2) W lives immediately above the floor of U.

U lives on floor number 1.

Q lives on the top most floor.

Only one person lives between T and S.

P lives immediately above T.

25. (5) W lives on floor number 2.

26. (4) W lives between R and U.

(27-29):

$\square, \square > P > \square, \square, \square$

$U > S > T$

$\square, \square > P > U > S > T$

$R > Q > P > U > S > T$

5 feet 2 feet

27. (4) The height of pole U should be more than 2 feet but less than 5 feet.

28. (2) R is the tallest Pole.

Height of R = $(11 + 2)$ feet = 13 feet

The height of Q should be more than 5 feet but less than 13 feet. i.e. 9 feet.

29. (5) Four poles (P, U, S, T) are shorter than Q.

Q's height is more than 5 feet.

Q is the second tallest pole.

(30-32):

$V > X > U > Y > W > Z$

17 days 8 days

30. (3) W stayed for 8 days.

V stayed for maximum number of days.

$15 + 8 = 23$ days.

31. (2) Z stayed for the minimum number of days.

32. (1) Y stayed for more than 8 days but less than 17 days.

(33-37):

| Floor Number | Person |
|--------------|--------|
| 8 | E |
| 7 | B |
| 6 | D |
| 5 | G |
| 4 | A |
| 3 | C |
| 2 | H |
| 1 | F |

33. (4) G lives on the floor immediately below D.

34. (2) Two persons - B and D - live between E and G.

A lives immediately above C.

F lives on floor number 1.

35. (3) Two persons - G and A - live between the floors on which D and C live.

36. (5) D lives between B and G.

37. (1) G lives on floor number 5.

(38-42):

| Floor Number | Person | Cartoon Character |
|--------------|--------|-------------------|
| 7 | O | Flinstone |
| 6 | S | Tweety |
| 5 | Q | Chipmunk |
| 4 | N | Popeye |
| 3 | M | Scooby Doo |
| 2 | R | Simpson |
| 1 | P | Jetson |

38. (3) Four persons - Q, N, M and R - live between the floors of S and P.

39. (5) All the statements are true.

40. (1) N lives on the floor immediately above the floor on which M lives.

41. (4) Q lives exactly between the floors on which S and N live.

42. (2) P likes cartoon character Jetson.

(43-47):

| Floor No. | Person | Games | Alphabetical Order |
|-----------|--------|-----------|--------------------|
| 7 | B | Badminton | A |
| 6 | A | Polo | B |
| 5 | L | Chess | C |
| 4 | D | Hockey | D |
| 3 | K | Snooker | K |
| 2 | M | Cricket | L |
| 1 | C | Ludo | M |

43. (4) B likes Badminton

44. (1) D lives on the floor numbered 4. He likes Hockey.

45. (2) K lives immediately above M.

D likes Hockey and he lives immediately above K.

C likes Ludo and he lives on an odd numbered floor.

46. (3) The positions of D and K remain unchanged.

47. (5) The combination Chess - L is correct.

(48-52):

| Floor Number | Person | Subject |
|--------------|--------|-----------|
| 7 | P | Biology |
| 6 | K | Accounts |
| 5 | J | History |
| 4 | N | English |
| 3 | M | Computer |
| 2 | O | Commerce |
| 1 | L | Geography |

48. (4) J likes History.

49. (1) The combination Geography - L is correct.

50. (2)

| Floor Number | Person | Alphabetical order |
|--------------|--------|--------------------|
| 7 | P | J |
| 6 | K | K |
| 5 | J | L |
| 4 | N | M |
| 3 | M | N |
| 2 | O | O |
| 1 | L | P |

The positions of K and O remain unchanged.

51. (3) The one who likes Computer lives immediately below N.

O likes Commerce.

Only three persons live between P and M.

P lives on the topmost floor

52. (5) O lives on the floor numbered 2. (53-59):

| Floor Number | Person |
|--------------|--------|
| 8 | P |
| 7 | T |
| 6 | U |
| 5 | R |
| 4 | V |
| 3 | W |
| 2 | Q |
| 1 | S |

16. (1) There are four persons between A and F, who likes Contra.

There are only two persons B and who likes Dragon Quest.

Similarly, there are two persons between C-Roadrash.

H is immediately below the person who likes Castlevania. Similarly, F lives immediately below the person who likes Tekken 3.

(17-21):

| Day | Destination | Departure Time |
|-----------|-------------|----------------|
| Monday | Madrid | 10 PM |
| Tuesday | Sydney | 5 PM |
| Wednesday | Dubai | 9 PM |
| Thursday | London | 6 PM |
| Friday | Zurich | 8 PM |
| Saturday | Rome | 4 PM |
| Sunday | Paris | 7 PM |

17. (3) None as Paris bound flight departs on Sunday.
 18. (4) Sydney bound flight departs at 5 PM.
 19. (4) Sydney bound flight departs at 5 PM.
 London bound flight departs at 6 PM.
 20. (2) Dubai bound flight departs at 9 PM.
 The flight would arrive in New Delhi at 11 PM.
 21. (5) Madrid bound flight departs at 10 PM.
 22. (1)

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | 2 | 4 | 3 | 6 | 5 | 1 |
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 9 | 1 | 3 | 5 | 5 | 7 | 3 |

(23-27):

| | |
|----------------|---|
| Floor Number 7 | B |
| Floor Number 6 | C |
| Floor Number 5 | D |
| Floor Number 4 | A |
| Floor Number 3 | E |
| Floor Number 2 | G |
| Floor Number 1 | F |

23. (2) B lives on the topmost floor.
 24. (5) C lives immediately above D floor.
 25. (3) Except G, all other lives on odd numbered floor.
 26. (1) E lives on Floor Number 3.
 27. (4) G lives exactly between the floors of E and F.

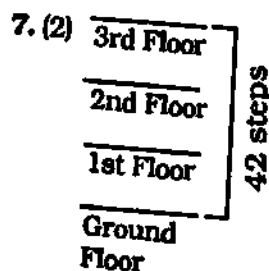
(28 - 33):

| Floor Number | Person |
|--------------|--------|
| 8 | K |
| 7 | N |
| 6 | J |
| 5 | Q |
| 4 | L |
| 3 | O |
| 2 | M |
| 1 | P |

28. (3) K lives immediately above N.
 L and O live between M and Q.
 M lives on floor number 2.
 29. (5) N lives on floor number 7.
 30. (3) Except in pair OM, in all other pairs there are two persons between the given pair of persons.
 31. (1) O lives on floor number 3.
 32. (2) Q lives between the floors on which J and L live.
 33. (4) If P and L interchange their places, O will live between P and M.

INSURANCE EXAMS

1. (1) There is no cubes which is painted green on three faces.
 2. (1) There is no cubes which is painted red and green on adjacent faces.
 3. (3) There are nine central cubes in each of the layers II, III and IV which have no face painted. Thus, there are $9 \times 3 = 27$ cubes which are not painted on any face.
 Therefore, total number of cubes which have at least one face coloured = $125 - 27 = 98$
 4. (4) As explained earlier, 27 cubes are without any colour.
 5. (1) There are 8 cubes which have at least two green faces each..
 6. (1) The arrangement of books will be :
 Novel - n
 Drama - d
 Story-book - s
 Comic - c



∴ Number of steps between floors = $\frac{42}{3} = 14$

| | |
|-----------|---|
| 9th Floor | 4 |
| 8th Floor | 3 |
| 7th Floor | 2 |
| 6th Floor | 1 |
| 5th Floor | |

∴ Number of steps = $14 \times 4 = 56$

8. (4) $F = 10 + 2 = 12$
 and $A = 10 - 2 = 8$
 Now, F gives 5 cards to C
 $F = 12 - 5 = 7$ and $C = 10 + 5 = 15$
 Now, C gives 3 cards to B
 $C = 15 - 3 = 12$ and
 $B = 10 + 3 = 13$
 Now, B gives 6 cards to D
 $B = 13 - 6 = 7$ and D
 $D = 10 + 6 = 16$
 Now, D gives one card to E
 $D = 16 - 1 = 15$ and
 $E = 10 + 1 = 11$
 Therefore, B and F have equal number of cards.

9. (3) $2A > B + C$
 or, $2A > 17$

∴ $A > \frac{17}{2} = 8.5$

- Let, $A = 9$ then, $B = 6 \rightarrow C = 11$
 $A = 10$ then, $B = 5 \rightarrow C = 12$
 $A = 11$ then, $B = 4 \rightarrow C = 13$
 $A = 12$ then, $B = 3 \rightarrow C = 14$
 $A = 13$ then, $B = 2 \rightarrow C = 15$
 $A = 14$ then, $B = 1 \rightarrow C = 16$
 Take, $C = 11$
 $A + D = 2C$
 $9 + D = 22$
 ∴ $D = 22 - 9 = 13$
 Therefore, $D > C > A > B$

10. (4) $3 + 27 = 30$
 $30 + 33 = 63$ and not 65
 $63 + 42 = 105$
 $105 + 60 = 165$ and not 170
 $165 + 87 = 252$

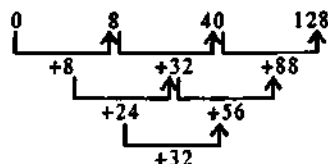
11. (1) $6 + 7 = 13$
 $13 + 9 = 22$
 $22 + 11 = 33$
 $33 + 13 = 46$
 $46 + 15 = 61$
 $61 + 17 = 78$
 $78 + 19 = 97$

Both the terms given within brackets are right.

12. (3) $2 + 5 = 7$ and not 5
 $7 + 7 = 14$
 $14 + 9 = 23$
 $23 + 11 = 34$
 $34 + 13 = 47$
 $47 + 15 = 62$

The first bracketed term is wrong and the second is right.

13. (2) There are two alternating series :



$$3 + 5^2 = 28$$

$$28 + 6^2 = 64 \text{ and not } 65$$

First bracketed term is right and the second term is wrong.

14. (3) $1 + 1 = 2$ and not 3

$$2 + 6 = 8$$

$$8 + 8 = 16$$

$$16 + 12 = 28$$

$$28 + 18 = 46$$

$$46 + 22 = 68$$

The first bracketed term is wrong and the second is right.

(15-22) :

| Candidates | CRITERIA | | | | | | | | | | |
|------------|----------|---|---|---|------|---|---|----|----|------|--|
| | A | B | C | D | or I | E | F | G | H | or J | |
| Ramesh | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | |
| Madhu | ✓ | x | ✓ | ✓ | - | ✓ | ✓ | ✓ | NG | - | |
| Jairam | ✓ | ✓ | ✓ | ✓ | - | x | x | ✓ | ✓ | - | |
| Ravi | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | - | |
| Dinesh | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | NG | ✓ | - | |
| Mahmud | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | |
| Jayant | ✓ | x | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | - | |
| Suresh | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - | ✓ | |

* NG = Not Given

15. (3) Ramesh satisfies criteria A, B, C, I, E, F, G and H. Therefore, his case should be referred to General Manager (Personnel).

16. (2) There is no information regarding criterion H. She also does not satisfy criterion B.

17. (4) Jairam does not satisfy criteria E and F.

18. (3) Ravi satisfies all the criteria.

19. (4) There is no information regarding criterion G.

20. (2) Mahmud satisfies criteria A, B, C, D, E, F, G and J.

Therefore, his case should be referred to the Managing Director.

21. (1) Jayant does not satisfy criterion B.

22. (2) Suresh satisfies criteria A, B, C, D, E, F, G and J.

Therefore, his case should be referred to Managing Director.

(23-26) :

$$V > Y, Q$$

$$Z > Q$$

$$R > T > V$$

$$V > S$$

$$R > W$$

Now,

$$R > T > V > Y, Q, S$$

$$Z > Q$$

$$R > W$$

23. (4) S may be the fifth product to be launched.

$$R > T > V > W > S \dots\dots Z > Q$$

24. (1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| R | T | V | W | Y | S | Z | Q |
| R | W | T | V | Y | S | Z | Q |
| R | T | V | Y | W | S | Z | Q |

25. (4)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| R | T | V | Z | Q | W | Y | S |
| Z | R | T | V | Q | W | Y | S |

26. (4)

$$1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8$$

$$R \ T \ V \ W \ S \ Y \ Z \ Q$$

27. (1) Earned prize money

$$P \Rightarrow 36 \times 1500 + 14 \times 1000$$

$$= \text{Rs. } 68000$$

$$Q \Rightarrow 34 \times 1500 + 21 \times 1000$$

$$= \text{Rs. } 72000$$

$$R \Rightarrow 23 \times 1500 + 36 \times 1000$$

$$= \text{Rs. } 70500$$

$$S \Rightarrow 30 \times 1500 + 30 \times 1000$$

$$= \text{Rs. } 75000$$

\therefore Required difference

$$= 75000 - 68000$$

$$= \text{Rs. } 7000$$

28. (3) Average prize money

$$P \Rightarrow \frac{68000}{50} = \text{Rs. } 1360$$

$$Q \Rightarrow \frac{72000}{55} = \text{Rs. } 1309$$

$$R \Rightarrow \frac{70500}{59} = \text{Rs. } 1195$$

$$S \Rightarrow \frac{75000}{60} = \text{Rs. } 1250$$

29. (2) Maximum average prize money per match won

$$= \text{Rs. } 1360 \text{ (P)}$$

30. (3) From both the statements

Value of three quotations

$$= 120 \times 3 = 360$$

Third quotation

$$360 - (90 + 125)$$

$$= 360 - 215 = 145$$

The highest quotation is more than Rs. 139.

31. (2) From statement II

Number of people who read both Economic Times and Financial Express

$$= (220 + 200) - (300 - 50)$$

$$= 420 - 250 = 170$$

32. (2) From statement I

The time taken to cover 40 km is not known.

From statement II

If PQ = x km then the distance covered by the troubled engine = (x - 40) km

$$\text{Usual speed} = \frac{40}{2} = 20 \text{ kmph}$$

$$\text{Usual time} = \left(\frac{x}{20}\right) \text{ hours}$$

$$\therefore 2 \text{ hours} + \frac{x-40}{5} = \frac{x}{20}$$

$$= \frac{40}{60} = \frac{2}{3}$$

$$\Rightarrow \frac{x}{20} = \frac{x-40}{5} = 2 - \frac{2}{3}$$

$$\Rightarrow \frac{x-4x+160}{20} = \frac{4}{3}$$

$$\Rightarrow (-3x + 160) 3 = 80$$

$$\Rightarrow 9x = 480 - 80 = 400$$

$$\Rightarrow x = \frac{400}{9} = 44\frac{1}{9} \text{ km}$$

33. (4) From both the statements we can get several values of x.

34. (3) If the time is the same then arrival time would have been 12.00 while it is 3AM

\therefore Time interval = 3 hours.

35. (3) From both the statements Let the father age be x years.

$$\frac{x-5}{3} = 25$$

$$\therefore x = (25 \times 3) + 5 = 80 \text{ years}$$

36. (1) From statement I

Sandhya has two sisters.

37. (3) From both the statements

Keshav will select car X.

38. (3) 15th August \Rightarrow Sunday

Next Sundays \Rightarrow 22nd, 29th August;

5th, 12th, 19th and 26th September

30th September \Rightarrow Thursday

Other Thursdays in September \Rightarrow 2, 9, 16 and 23

39. (2) Today is Thursday. Thursday + 5 + 1 + 1 = Thursday
Day after tomorrow = Thursday + 2 = Saturday
Saturday - 6 = Sunday
Now, 6 - 3 = 3

40. (4) $U < V < W < X < Y = Z \geq A = B > C$

Z is greater than U.

(41-45):

| Floor | Floor Number | Person |
|---------------|--------------|--------|
| Seventh Floor | 8 | N |
| Sixth Floor | 7 | O |
| Fifth Floor | 6 | P |
| Fourth Floor | 5 | L |
| Third Floor | 4 | K |
| Second Floor | 3 | J |
| First Floor | 2 | M |
| Ground Floor | 1 | Q |

41. (2) L and K live between the floors of P and J.

42. (3) K lives on floor number 4.

43. (4) N lives on the topmost floor.

Seven people live below N.

N lives on an even numbered floor, i.e. floor number 8.

Three people - O, P and L - live between N and K.

44. (4) Q lives on floor number 1.

45. (1) P lives on the floor immediately below O.

(46-50):

| Floor | Floor Number | Person |
|---------------|--------------|--------|
| Seventh Floor | 8 | Y |
| Sixth Floor | 7 | Z |
| Fifth Floor | 6 | T |
| Fourth Floor | 5 | S |
| Third Floor | 4 | V |
| Second Floor | 3 | X |
| First Floor | 2 | W |
| Ground Floor | 1 | U |

46. (3) V lives on floor number 4.

47. (1) Three persons - S, V and X - live between floors of T and W.

48. (4) T lives immediately above S. Five persons - S, V, X, W and U - live below T.

T lives on floor number 6.

Four persons live between T and U.

49. (5) T lives on the floor immediately below Z.

50. (2) S lives on floor number 5.

(51-54):

| Day | Lecture |
|-----------|--------------------------|
| Monday | Organisational Behaviour |
| Tuesday | Psychology |
| Wednesday | Statistics |
| Thursday | Computer Science |
| Friday | Research Methods |
| Saturday | Off day |
| Sunday | Economics |

51. (5) Economics is the last lecture scheduled.

52. (3) Three lectures were scheduled between Economics and Psychology.

53. (3) Computer Science was scheduled on Thursday.

54. (5) Saturday was off day. Therefore five lectures were scheduled before Saturday and one lecture was scheduled after Saturday.

(55-59):

| Day | Person | Activity |
|-----------|--------|----------|
| Monday | G | Running |
| Tuesday | B | Dancing |
| Wednesday | F | Miming |
| Thursday | A | Painting |
| Friday | D | Acting |
| Saturday | C | Singing |
| Sunday | E | Baking |

55. (2) G participated in Running on Monday. In all others, the person participated one day after the given day.

56. (4) B participated immediately before F and A participated immediately after F.

57. (3) B participated in dancing two days before the one who participated in painting.

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Similarly, D participated in Acting two days before the one who participated in baking.
A participated in painting two days before the one who participated in singing.

68. (1) G participated in running on Monday.

69. (5) D participated in acting on Friday.

(60-63):

| Floor Number | Person | Alphabetical Order |
|--------------|--------|--------------------|
| 8 | E | I |
| 7 | H | H |
| 6 | C | G |
| 5 | D | F |
| 4 | G | E |
| 3 | F | D |
| 2 | I | C |
| 1 | B | B |

60. (1) G lives immediately above F. In all others, one, two or more persons live between the given pair of persons.

61. (2) Three persons - D, G and F - live between C and I.

62. (4) The positions of two persons H and B would remain unchanged.

63. (5) H lives immediately below E.

(64-65):

$C > B, E$

$A, E > D > B$

A does not buy the maximum number of Cookies and E does not buy the third highest number of cookies.

$C > E > A > D > B$

↓

20

64. (2) D buys the second lowest number of cookies.

65. (3) C bought 20 cookies.

Therefore, A bought $20 - 8$

$= 12$ cookies

E bought more than 12 but less than 20 cookies.

(66-70):

| Day | Person | Colour |
|-----------|--------|--------|
| Monday | G | Pink |
| Tuesday | B | Silver |
| Wednesday | E | Blue |
| Thursday | A | Yellow |
| Friday | C | Green |
| Saturday | D | Orange |
| Sunday | F | Red |

66. (1) G would attend a wedding on Monday.

67. (4) D likes orange colour.

68. (3) A would attend a wedding on Thursday. The one who likes Pink colour would attend a wedding three days before A, i.e., on Monday. Similar relation exists between all other combinations except in C-Yellow.

69. (5) A would attend a wedding on Thursday.

Thursday + 2 = Saturday

C would attend a wedding on Friday.

Friday + 2 = Sunday

B would attend a wedding on Tuesday.

Tuesday + 2 = Thursday

70. (2) B would attend a wedding immediately before E while A would attend a wedding immediately after E.

(71-74):

| Floor Number | Person | Alphabetical Order |
|--------------|--------|--------------------|
| 8 | K | Q |
| 7 | N | P |
| 6 | Q | O |
| 5 | J | N |
| 4 | L | M |
| 3 | P | L |
| 2 | O | K |
| 1 | M | J |

71. (2) There are five persons between O and K. In all other pairs one person lives immediately above or below the second person.

72. (1) Q lives immediately below N.

73. (3) The position of no person will remain unchanged.

74. (4) Two persons - J and L - live between Q and P.

(75-76):

$\square, \square > E > \square, \square$

$A > B > D$

$C > D$

$A > C > E > B > D$

↓

8

75. (4) A won $8 + 16 = 24$ competitions.

Therefore, E won more than 8 but less than 24 competitions. C won the second highest number of competitions and hence E cannot win 23 competitions. E won possibly 14 competitions.

76. (1) C won the second highest number of competitions.

(77-81):

| Day | Person | Car |
|-----------|--------|------------|
| Monday | S | Mercedes |
| Tuesday | Q | BMW |
| Wednesday | O | Flat |
| Thursday | R | Volkswagen |
| Friday | M | Audi |
| Saturday | P | Nissan |
| Sunday | N | Jaguar |

77. (1) R attended screening immediately before M while P attended screening immediately after M.

78. (3) The combination S-Mercedes is correct.

79. (5) N attended screening on Sunday.

80. (2) P likes Nissan car.

81. (4) S attended screening on Monday.

Monday + 3 = Thursday

R attended screening on Thursday.

Thursday + 3 = Sunday

Q attended screening on Tuesday.

Tuesday + 3 = Friday

□□□

MODEL EXERCISES

Directions (1-7) : A management institute organises six once a month lecture series for young entrepreneur as per the following schedule, with no dates conflicting

| | |
|----------------------|---------------------------|
| Marketing management | August through January |
| Economics | April through October |
| Business law | January through September |
| Financial management | March through June |
| Accounting | October through April |
| Personnel management | October through December |

- During which month are the fewest lectures given?
(1) January (2) February
(3) June (4) September
(5) None of these
- Which is the largest number of lectures that can be attended in a single month?
(1) 7 (2) 6
(3) 5 (4) 4
(5) None of these
- Which two series taken together fill the year without a overlap?
(1) Marketing and Financial management
(2) Personnel management and Economics
(3) Business law and Personnel management
(4) Business law and Accounting
(5) None of these
- During how many months of the year must a student attend to hear all the lectures on Marketing, Economics and Financial management?
(1) 11 (2) 10
(3) 9 (4) 8
(5) None of these
- How many lecture series last more than 6 months?
(1) 1 (2) 2
(3) 3 (4) 4
(5) None of these
- How many different series can be attended in September, October and November?
(1) 2 (2) 3
(3) 4 (4) 5
(5) None of these
- How many different lectures can be attended in January, February and March?

- (1) 12 (2) 10
(3) 8 (4) 6
(5) None of these

8. If 21st July, 1999 is a Wednesday, what would have been the day of the week on 21st July, 1947?

- (1) Monday (2) Sunday
(3) Thursday (4) Saturday
(5) None of these

9. At an enquiry office at a railway station, a passenger was told A train for Delhi has left 15 min ago, but after every 45 min a train leaves for Delhi. The next train will leave at 8.30 pm. At what time was this information given to the passenger?

- (1) 7.45 pm (2) 8.00 pm
(3) 8.15 pm (4) 8.05 pm
(5) None of these

10. Four bells begin to toll together and toll respectively at intervals of 6, 5, 7, 10 and 12. How many times they will toll together in one hour excluding the one at the start?

- (1) 7 times (2) 8 times
(3) 9 times (4) 11 times
(5) None of these

Directions (11-14) : These questions are based on the following information.

A set of eight candidates A, B, C, D, E, F, G and H are being interviewed by two panels of interviewers : Panel I and Panel II—from 9.30 to 10.50 on a particular day. Each panel will spend about 10 minutes per candidate and at no time during the interview process will a panel be without any candidate. The original schedules of interviews for the eight candidates are shown in the following table

| Candidate | Panel-I Time | Panel-II Time |
|-----------|----------------|----------------|
| A | 9.30 to 9.40 | 10.20 to 10.20 |
| B | 9.40 to 9.50 | 10.20 to 10.30 |
| C | 9.50 to 10.00 | 10.30 to 10.40 |
| D | 10.00 to 10.10 | 10.40 to 10.50 |
| E | 10.10 to 10.20 | 9.30 to 9.40 |
| F | 10.20 to 10.30 | 9.40 to 9.50 |
| G | 10.30 to 10.40 | 9.50 to 10.00 |
| H | 10.40 to 10.50 | 10.00 to 10.10 |

Due to requests from the candidates, the interview schedule was altered for several candidates. The alterations were made in such a way that whenever a change was made, the time schedule for both the panels of a particular candidate was exchanged in entirety with the time schedule of another candidate. The following alterations were made

I. A's place was taken by G.
II. A in turn was accommodated in C's place
III. C in turn was accommodated in E's place
IV. E took H's place
V. H took G's place

11. Which of the following candidates finished the interviews along with E?
(1) A (2) C
(3) D (4) F
(5) None of these

12. Which of the following candidates finished the interviews before C?
(1) B (2) D
(3) Both of these
(4) None of these
(5) All of these

13. If G and A had to leave together, then how much time did any of them has to wait?
(1) A has to wait 10 min
(2) G has to wait 20 min
(3) None of them has to wait
(4) G has to wait 30 min
(5) None of these

14. Which one of the following statements is true?
(1) G could leave even before E's first interview was over
(2) F and H left together
(3) D was the only candidate who could give company to E
(4) All of the above
(5) None of these

Directions (15-19) : Study the following information carefully to answer these questions.

I. Kamal is available at home from 12 noon to 4 pm on Tuesday, Thursday and Sunday.

II. His younger brother Navin is available at home on Monday, Thursday, Friday and Sunday between 10 am and 2 pm

III. The eldest brother Rajiv is available between 9 am and 12 noon on Monday, Wednesday and Thursday; and 2 pm to 4 pm on Friday, Saturday and Sunday.

15. At a time, on which day of the week all the three brothers are available at home?
- None
 - Sunday
 - Thursday
 - Cannot be determined
 - None of these
16. For how many days, only one brother is available at a particular time in a week?
- One
 - Two
 - Three
 - Four
 - None of these
17. On which day(s) of the week the youngest and the eldest brothers are available at home at the same time?
- Only Monday
 - Only Thursday
 - Only Friday
 - Both Monday and Thursday
 - None of these
18. A girl earns twice as much in December as in each of the other months. What part of her entire year's earning does she earn in December?
- $\frac{2}{11}$
 - $\frac{2}{13}$
 - $\frac{3}{14}$
 - $\frac{1}{6}$
 - None of these
19. A watch is a minute slow at 1 pm on Tuesday and 2 min fast at 1 pm on Thursday. When did it show the correct time?
- 1.00 am on Wednesday
 - 5.00 am on Wednesday
 - 1.00 pm on Wednesday
 - 5.00 pm on Wednesday
 - None of these
20. A clock gaining 2 min every hour was synchronised at midnight with a clock losing 1 min every hour. How many minutes behind will its minute hand be at eleven the following morning?
- 23
 - 27
 - 22
 - None of these
 - All of these
21. Suppose it is 3 o' clock past 20 min the angle between the smaller and bigger hands will be
- 20°
 - 30°
 - 110°
 - 120°
 - None of these
22. In a month of 31 days, the third Wednesday falls on the 15th.

What will be the last day of that month?

- Fifth Thursday
 - Fifth Wednesday
 - Fourth Sunday
 - Fifth Friday
 - None of these
23. When Ranjeev was born, his father was 32 yr older than his brother and his mother was 25 yr older than his sister. If Ranjeev's brother is 6 yr older than Ranjeev and his mother is 3 yr younger than his father, how old was Ranjeev's sister when he was born?
- 15 yr
 - 14 yr
 - 7 yr
 - 10 yr
 - None of these
24. In $2\frac{1}{2}$ h, the hour hand of a clock rotates through an angle of
- 90°
 - 140°
 - 120°
 - 75°
 - None of these
25. In 27 March, 1995 was a Monday, then what days of the week was 1 November, 1995?
- Monday
 - Sunday
 - Tuesday
 - Wednesday
 - None of these
26. 16 January 1997 was a Thursday. What day of the week was 4 January 2000?
- Tuesday
 - Wednesday
 - Thursday
 - Friday
 - None of these
27. In a year 28th February in Tuesday; if the leap year is excluded, then 28th March will be a
- Sunday
 - Tuesday
 - Monday
 - Saturday
 - None of these
28. In a class of 60 students, the number of boys and girls participating in the annual sports is in the ratio 3 : 2 respectively. The number of girls not participating in the sports is 5 more than the number of boys not participating in the sports. If the number of boys participating in the sports is 15, then how many girls are there in the class?
- 20
 - 30
 - 25
 - Data inadequate
 - None of these

29. Find the time between 3 and 4 o' clock when the angle between the hands of a watch is two-third of a right angle.

- $10\frac{9}{11}$ min past 3
- $10\frac{10}{11}$ min past 3
- $11\frac{9}{11}$ min past 3.
- $11\frac{10}{11}$ min past 3.
- None of these

30. A clock is set right at 5 am. If it loses 16 min in 24 h, what will be the true time when the clock indicates 10 am on the 4th day?

- 11.00 am
- 8.00 am
- 10.00 am
- 9.00 am
- None of these

31. Ram's age was square of a number last year and it will be cube of a number next year. How long must he wait before his age is again the cube of a number?

- 39 yr
- 38 yr
- 10 yr
- 64 yr
- None of these

32. At a party, there are 43 persons in all. The number of women is two more than men but the number of children is 4 less than men. How many women are there in the party?

- 17
- 13
- 11
- 25
- None of these

33. Six roads lead to a country. They may be indicated by letters X, Y, Z and digits 1, 2, 3. When there is a storm, Y is blocked. When there are floods, X, 1 and 2 will be affected. When road 1 is blocked, Z is also blocked. At a time, when there are floods and a storm, which road can be used?

- 3
- Z
- Y
- 2
- None of these

34. If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

- Sunday
- Monday
- Wednesday
- Friday
- None of these

35. If the third day of a month is Monday, which of the following will be the fifth day, from 21st of that month?

- (1) Wednesday (2) Monday
(3) Tuesday (4) Thursday
(5) None of these

36. My uncle shall visit me after 64 days of my father's birthday. If my father's birthday falls on Tuesday, what shall be the day on my uncle's visit?

- (1) Tuesday (2) Sunday
(3) Wednesday (4) Monday
(5) None of these

37. A worker may claim ₹ 15 for each km which he travels by taxi and ₹ 3 for each km which he drives his own car. If in one week, he claimed ₹ 500 for travelling 80 km, how many kilometers did he travel by taxi?

- (1) 10 (2) 20
(3) 30 (4) 80
(5) None of these

38. The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class?

- (1) 48 (2) 44
(3) 42 (4) 40
(5) None of these

39. Ravi has ₹ 3 more than Ramu, but then Ramu wins on the horses and trebles his money, so that he now has ₹ 2 more than the original amount of money that the two boys had between them. How much money did Ravi and Ramu have between them before Ramu's win?

- (1) ₹ 9 (2) ₹ 11
(3) ₹ 13 (4) ₹ 15
(5) None of these

40. Simplify and find the value of A in the equation given below

$$2 + 7 \times 16 - (8 - 7) - (9 + 3) = A$$

- (1) 116 (2) 150
(3) 110 (4) 220
(5) None of these

Directions (41-45) : Study the following information carefully and answer the questions given below :

Six plays P, Q, R, S, T and U were organised on six different days from Wednesday to Tuesday with one rest day, but not necessarily in the same order. Rest day was not on Friday. Play Q was organised on the first day and then three more plays

were organised before the rest day. Rest day was between Plays Q and T. Play R was organised immediately after the Play P. S was organised on Thursday.

41. Which of the following Plays was organised immediately after the Play S?

- (1) Q (2) U
(3) T (4) P
(5) R

42. On which of the following days was the rest day?

- (1) Sunday (2) Tuesday
(3) Monday (4) Thursday
(5) Saturday

43. Which of the following Plays was organised in the last?

- (1) P (2) R
(3) U (4) S
(5) T

44. Which of the following combinations of the Day-Play is correct?

- (1) Tuesday - T
(2) Saturday - R
(3) Friday - S
(4) Monday - U
(5) Sunday - P

45. If S is related to Friday in a certain way and T is related to Tuesday in the same way, then P is related to

- (1) Sunday (2) Thursday
(3) Monday (4) Wednesday
(5) Saturday

Directions (46-50) : Study the following information carefully and answer the questions given below :

Eight delegates, viz., P, Q, R, S, T, V, W and X, are from eight different cities viz. Hyderabad, Amritsar, Chandigarh, Kolkata, Chennai, Delhi, Patna and Bangalore but not necessarily in the same order.

All the eight delegates are sitting around a circular table facing towards the centre but not necessarily in the same order. P is sitting fourth to the left of S. P is from Delhi. X is not an immediate neighbour of S. Delegate W is from Chennai. S does not belong to Amritsar. Delegate from Bangalore is sitting third to the right of the delegate

from Hyderabad. R does not belong to Hyderabad or Bangalore. Delegate V is from Patna and he is sitting second to the right of X. V is an immediate neighbour of P. W is sitting to the immediate left of S. Only one person is sitting between S and the person who belongs to Kolkata. The delegate from Kolkata is not an immediate neighbour of the delegate from Patna. Only two persons are sitting between Q and the delegate from Bangalore.

46. What is the position of R with respect to W?

- (1) Second to the right
(2) Third to the right
(3) Second to the left
(4) Third to the left
(5) Immediate left

47. To which of the following cities does S belong?

- (1) Kolkata
(2) Bangalore
(3) Hyderabad
(4) Chandigarh
(5) Other than those given as options

48. Who among the following is sitting exactly between the delegate from Hyderabad and S?

- (1) Delegate from Chennai
(2) V (3) T
(4) Delegate from Amritsar
(5) Delegate from Kolkata

49. Which of the following statements is true regarding R?

- (1) R belongs to Chandigarh
(2) R is sitting second to right of P
(3) R is sitting exactly between the delegate from Amritsar and T
(4) R is sitting just opposite the delegate from Patna
(5) None of the given statements is true

50. Who among the following is sitting third to the right of X?

- (1) S
(2) Delegate from Chennai
(3) Delegate from Bangalore
(4) V
(5) Delegate from Hyderabad

Directions (51-55) : Study the following information carefully and answer the questions given below :

Eight persons — P, Q, R, S, T, U, V and W — were born in three different months (of the same year) but not necessarily in the same order, namely

March, June and December such that not less than two persons and not more than three persons were born in a month. Each of them also likes a different fruit namely Guava, Peach, Banana, Cherry, Mango, Orange, Kiwi and Apple but not necessarily in the same order.

Only Q and W were born in March. R likes Apple and was born in the same month as T. R was not born in December. The one who likes Mango was born in June. T does not like Mango. U was not born in the same month as T. S likes Cherry and born in the same month as U. V does not like Mango. The one who likes Kiwi and the one who likes Banana were born in the same month. The one who likes Kiwi was not born in the same month as W. U does not like Kiwi. The one who likes Guava was born in the same month as P. Q does not like Peach.

51. As per the given arrangement which of the following combinations represents only the persons who were born in December?

- (1) T, V (2) U, P, T
(3) V, U, S (4) P, T
(5) P, V, S

52. As per the given arrangement, which of the following persons represents the one who was born in the same month as the one who likes Orange?

- (1) W (2) P
(3) R (4) T
(5) U

53. Which of the following fruits does T like, as per the given arrangement?

- (1) Orange (2) Guava
(3) Peach (4) Banana
(5) Other than those given as options

54. Which of the following combinations is correct, as per the given arrangement?

- (1) December — Peach
(2) June — Orange
(3) June — Banana
(4) March — Guava
(5) December — Banana

55. Who amongst the following likes Peach, as per the given arrangement?

- (1) P (2) V
(3) U (4) W
(5) T

Directions (56-60) : Study the following information carefully and answer the questions given below :

Seven persons — A, B, C, D, E, T and G — were appointed to a company on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each person also plays a different game namely- Cricket, Hockey, Football, Squash, Volleyball, Tennis and Kho-Kho, but not necessarily in the same order.

Only two persons were appointed after the one who plays Hockey. E was appointed on one of the days after the one who plays Hockey. Only three persons were appointed between E and G. Only one person was appointed between G and the one who plays Volleyball. A was appointed immediately after the one who plays Volleyball. Only three persons were appointed after the one who plays Kho-Kho. F was appointed immediately after C, but not on Friday. Only two persons were appointed between F and the one who plays Cricket. B was appointed immediately after the one who plays cricket. More than two persons were appointed between D and the one who plays Tennis. F does not play Football.

56. Who amongst the following was appointed on Wednesday?

- (1) The one who plays Kho-Kho
(2) The one who plays Cricket
(3) F (4) A
(5) B

57. Which of the following statements is true as per the given arrangement?

- (1) Only one person was appointed between F and the one who plays Squash.
(2) Only three persons were appointed before C.
(3) A plays Tennis.
(4) B was appointed on Saturday.
(5) None of the given options is true

58. The person who plays Tennis was appointed on which of the following days?

- (1) Thursday (2) Tuesday
(3) Sunday (4) Monday
(5) Saturday

59. Which of the following combinations will be definitely true as per the given arrangement?

- (1) C — Squash
(2) Thursday — D
(3) Saturday — Cricket
(4) Monday — Volleyball
(5) F — Kho-Kho

60. How many persons were appointed before G?

- (1) Two (2) One
(3) Three (4) Four
(5) None, as G was appointed on Monday

Directions (61-66) : Study the following information carefully and answer the questions given below :

Seven friends namely A, B, C, D, E, F and G learn seven different languages namely Japanese, Hindi, French, Chinese, Spanish, English and German, not necessarily in the same order, starting from Monday to Sunday (of the same week).

F learns a language on Wednesday. Only one person learns between F and the one who learns Spanish. Only three persons learn between the one who learns Spanish and B. The one who learns French learns immediately after B. Only two persons learn between the one who learns French and G. A learns immediately before D. Only three persons learn between the one who learns Japanese and the one who learns English. F does not learn Japanese. E learns before the one who learns English. Only one person learns between E and the one who learns Chinese. A does not learn Hindi.

61. As per the given arrangement, B is related to the one who learns French in a certain way and F is related to the one who learns Chinese in the same way. To which of the following is A related to in the same way?

- (1) the one who learns German
(2) the one who learns Hindi
(3) the one who learns Japanese
(4) the one who learns English
(5) the one who learns Spanish

62. Which of the following statements is/are true about C?

- (1) C learns Hindi
(2) C learns a language on Saturday
(3) C learns a language immediately after F
(4) Only two persons learn between C and G
(5) All the given statements are true

PROBLEM SOLVING

63. Four of the following five are alike in a certain way and thus form a group as per the given arrangement. Which of the following does not belong to that group?

- (1) D - Thursday
- (2) F - Sunday
- (3) B - Friday
- (4) A - Tuesday
- (5) G - Monday

64. Which of the following languages does D learn?

- (1) Spanish (2) Hindi
- (3) French (4) Japanese
- (5) English

65. Who amongst the following learns German?

- (1) E (2) A
- (3) G (4) D
- (5) C

66. On which of the following days does E learn a language?

- (1) Thursday (2) Friday
- (3) Monday (4) Sunday
- (5) Tuesday

67. The positions of how many digits will remain the same if the digits in the number 69852731 are re-

arranged in the ascending order within the number from left to right?

- (1) One (2) More than three
- (3) Three (4) Two
- (4) None

Directions (68-70) : Study the following information carefully and answer the questions given below :

There are five jars - A, B, C, D and E - each having different numbers of cookies. Jar A has more cookies than Jar E but less than Jar B. Jar D has more cookies than Jar B. Jar D does not have the most number of cookies. The jar having the third least number of cookies has 11 cookies. The jar having the most number of cookies has 24 cookies.

68. Which of the following jars probably has 17 cookies?

- (1) B (2) E
- (3) Either 'A' or 'E'
- (4) D
- (5) Either 'C' or 'B'

69. Which of the following jars has the second lowest number of cookies?

- (1) D (2) A
- (3) E (4) C
- (5) B

70. How many cookies does Jar E possibly have?

- (1) 22 (2) 11
- (3) 5 (4) 19
- (5) 12

SHORT ANSWERS

| | | | |
|--------|--------|--------|--------|
| 1.(2) | 2.(4) | 3.(2) | 4.(1) |
| 5.(3) | 6.(4) | 7.(3) | 8.(4) |
| 9.(2) | 10.(2) | 11.(3) | 12.(4) |
| 13.(2) | 14.(3) | 15.(3) | 16.(4) |
| 17.(4) | 18.(2) | 19.(2) | 20.(4) |
| 21.(1) | 22.(4) | 23.(4) | 24.(4) |
| 25.(4) | 26.(1) | 27.(2) | 28.(4) |
| 29.(2) | 30.(1) | 31.(3) | 32.(1) |
| 33.(1) | 34.(1) | 35.(1) | 36.(3) |
| 37.(1) | 38.(3) | 39.(3) | 40.(3) |
| 41.(4) | 42.(1) | 43.(3) | 44.(2) |
| 45.(5) | 46.(2) | 47.(4) | 48.(1) |
| 49.(3) | 50.(5) | 51.(3) | 52.(1) |
| 53.(2) | 54.(5) | 55.(4) | 56.(2) |
| 57.(5) | 58.(3) | 59.(4) | 60.(1) |
| 61.(3) | 62.(3) | 63.(1) | 64.(4) |
| 65.(2) | 66.(5) | 67.(4) | 68.(4) |
| 69.(2) | 70.(3) | | |

EXPLANATIONS

(1-7) : Information given in the question can be presented in the table as below.

| Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. |
|------|------|------|------|-----|------|------|------|------|------|------|------|
| Mm | | Ec | Ec | Ec | Ec | Ec | Mm | Mm | Mm | Mm | Mm |
| B1 | B1 | B1 | B1 | B1 | B1 | B1 | Ec | | | | |
| Ac | Ac | Pm | Pm | Pm | Pm | | B1 | B1 | | | |
| | | Ac | Ac | | | | | | Ac | Ac | Ac |
| | | | | | | | | | Pm | Pm | Pm |

1. (2) Months February and July have only two lectures. Month available in option in February. Hence, option (2) is our answer.

2. (4) Maximum four lectures can be attended in a single month.

3. (2) Business law lasts from Jan. to Sep. and Personnel management lasts from Oct. to Dec.

4. (1) Jan, March, April, May, June, July, August, Sept., Oct., Nov., & Dec. In all a student has to attend lectures for 11 months.

5. (3) Three lectures-Marketing management, Economics and Business law last more than 6 months.

6. (4) Total number of series in September, October and November is 5 - Marketing, Economics, Accounting, Personnel management and Business law.

7. (3) 8 different lectures can be attended in January, February and March.

8. (4) Counting the number of days after 21st July 1947 to 21 July 1999

= 52 years + 366 days.

= (13 leap yr + 39 ordinary years) + 366 days

= (13 × 2 odd days + 39 odd days) + 2 odd days

= 67 odd days = 4 odd days

ie, (7 - 4) = 3 days beyond the day on 21 July 1999.

So, the day was Saturday.

2. (2) Time interval of train is 45 min. Next train will leave at 8.30 pm. It means that earlier train had left at 7.45 pm. When the information was given it was 15 min late. Hence, the information was given at 8.00 pm.

10. (2) They will toll together after the time calculated by taking LCM of 6, 5, 7, 10 and 12 = 420 s or 7 min. Hence, in 1 h or 60 min they will toll 8 times excluding the one at the start.

(11 - 19) :

The revised schedule of interview is given below

| | Panel-I | Panel-II |
|---|----------------|-----------------|
| A | 9.50 to 10.00 | 10.30 to 10.40 |
| B | 9.40 to 9.50 | 10.20 to 10.30 |
| C | 10.00 to 10.20 | 10.30 to 10.00 |
| D | 10.00 to 10.10 | 10.40 to 10.50 |
| E | 10.40 to 10.50 | 10.00 to 10.140 |
| F | 10.20 to 10.30 | 9.40 to 9.50 |
| G | 10.30 to 9.40 | 10.10 to 10.20 |
| H | 10.30 to 10.40 | 9.50 to 10.00 |

11. (3) E and D finished the interview at 10.50

12. (4) C finished the interview at 10.20. B finished at 10.30 and finished at 10.50. Hence, none of them finished before C.

13. (2) G finishes at 10.20 and A finishes at 10.40. Hence G has to wait for 20 min.

14. (3) D and E both leave at 10.50.

15. (3) On Thursday all the three brothers are available.

16. (4) For a maximum of four days only one brother is available at a particular time in a week.

17. (4) On Monday and Thursday between 10 am to 12 noon both Navin and Rajiv are available at home.

18. (2) Let the girls earns ₹ .x in other month. Then, earning in the month of December = ₹ 2x.

∴ Then Total annual salary = $2x + 11x = 13x$

∴ Required ratio = $\frac{2x}{13x} = 2 : 13$

19. (2) Time from 1 pm on Tuesday to 1 pm on Thursday = 48 h

The watch gains $(1 + 2) = 3$ min in 48 h. It will gain 1 min in 16 h. Hence, it will be correct at 5 am on Wednesday.

20. (4) As the given clock is synchronised with a clock losing 1 min every hour, it will now lose 3 min per hour. Hence, in 11 h it will lose 33 min.

21. (1) In 1 min, minute hand travels 6° .

∴ Angle travelled by minute hand in 20 min = 120°

Now, $3\text{h } 20\text{ min} = 200\text{ min}$

In 1 min, hour hand travels $\frac{1}{2}^\circ$

∴ Angle travelled by hour hand in 200 min = 100°

∴ Required angle = $120 - 100 = 20^\circ$

22. (4) Third Wednesday falls on 15th of the month. Fourth Wednesday will fall on 22nd of the month.

Fifth Wednesday will fall on 29th of the month.

Fifth Friday will fall on 31st of the month.

23. (4) Suppose,

Ranjeet's age = x yr

Ranjeet's Brother's Age

= x + 6 yr

Ranjeet's Father's Age

= x + 6 + 32

= x + 38 yr

Ranjeet's Mother's Age

= x + 38 - 3

Ranjeet's Sister's Age

= x + 35 - 25

= x + 10 yr

24. (4) In 1 h, hour hand moves by 30° .

So, in $2\frac{1}{2}$ h, hour hand moves

by $30 \times 2\frac{1}{2} = 75^\circ$

25. (4) Number of day between 1 November 1995 and 27 March 1995.

$4 + 30 + 31 + 30 + 31 + 31 + 30 + 31 + 1 = 219$ days.

Number of odd day = $\frac{219}{7} = 2$

26. (1) 16 January 1997 was a Thursday.

16 January 1998 was a Friday.

16 January 1999 was a Saturday.

16 January 2000 was a Sunday.

∴ 9 January 2000 and 2 January 2000 were also on Sunday.

∴ 4 January was a Tuesday.

27. (2) If 28 February is Tuesday and it is not a leap year. Then, 7 March, 14 March 21 March and 28 March are also Tuesday.

28. (4) From the information given in the question, we can conclude that out of 60 students, number of boys and girls participating in sports are 15 and 10 respectively.

Since, number of boys not participating in sports is not given, we cannot solve the question.

29. (2) Two-third of right angle is 60° . Let two hands of watch make 60° angle in x min.

$$x \times 6 - x \times \frac{1}{2} = 60$$

$$\Rightarrow \frac{11x}{2} = 60$$

$$\Rightarrow x = \frac{120}{11}$$

$$= 10\frac{10}{11} \text{ min}$$

$$\therefore \text{required time} = 10\frac{10}{11} \text{ min}$$

past 3

30. (1) Time interval = $24 \times 4 - 7 = 89$ h

Time lost in 24 h = 16 min

∴ Time measured by clock = 24h - 16 min

$$= 23\frac{44}{60} \text{ h}$$

$$= \frac{356}{15} \text{ h}$$

∴ Actual time when the clock measure

$$89 \text{ h} = \frac{24 \times 15}{356} \times 89 = 90 \text{ h}$$

$$\therefore \text{Required time} = 10 \text{ am} + 1 \text{ h} = 11 \text{ am}$$

31. (3) Go through options.

Ram's present age is 26 yr.

Last year, his age was a perfect square.

Next year, his age will be a perfect cube.

Next cube number is 64.

Required number of years = $64 - 26 = 38$ yr

32. (1) By option,

If women = 17, men = 15 and children = 11 So, total = 43

33. (1) When there is a storm, y is blocked. When there are floods, X, 1 and 2 are affected along with Z. So, when both storm and floods are there, then road 3 can be used.

34. (1) 7th day will be Tuesday. 14th day will be Tuesday. So, 19th day will be Sunday.

35. (1) 3rd day is Monday. 10th, 17th and 24th will also be Monday. 5th day from 21st day is 26th day of that month. So, 26th day will be wednesday.

36. (3) If father's birthday falls on Tuesday.

Then, 7th, 14th 63rd day after father's birthday will also fall on Tuesday.

Hence, 64th day from father's birthday will fall on Wednesday.

37. (1) Let the distance covered by taxi = x km

Let the distance covered by car = y km

$$\text{So, } x + y = 80 \text{(i)}$$

$$15x + 5y = 500 \text{(ii)}$$

Solving both the equations $x = 10$ km

38. (3) The ratio of Boys : Girls = 3:1

So, 42 is not possible as it is not divisible by $(3 + 1) = 4$

39. (3) Go by options,

If the money between Ravi and Ramu = ₹13

Ravi Ramu

Before Win 8 5

After win $5 \times 3 = 15$ = which is ₹ 2 more than the original amount.

40. (3) $2 + 7 \times 16 - (8 - 7) - (9 + 3) = A$

$$2 + 7 \times 16 - 1 - 3 = A$$

$$2 + 112 - 4 = A$$

$$A = 110$$

(41-45):

| Day | Play |
|-----------|----------|
| Wednesday | Q |
| Thursday | S |
| Friday | P |
| Saturday | R |
| Sunday | Rest Day |
| Monday | T |

Tuesday U

41. (4) Play P was organised after the Play S.

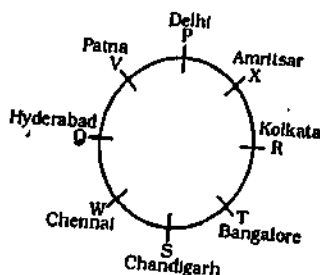
42. (1) Rest Day was on Sunday.

43. (3) Play U was organised in the last.

44. (2) The combination Saturday - R is correct.

45. (5) Play S was organised one day before Friday, i.e., on Thursday. Play T was organised one day before Tuesday, i.e., on Monday. Similarly, Play P was organised one day before Saturday, i.e., on Friday.

(46-40):



46. (2) R is sitting third to the right of W.

47. (4) S belongs to Chandigarh.

48. (1) Q is from Hyderabad. The delegate from Chennai W is sitting between Q and S.

49. (3) R belongs to Kolkata.

R is sitting second to the left of P.

R is sitting just opposite Q, the delegate from Hyderabad.

50. (5) The delegate from Hyderabad Q is sitting third to the right of X.

(51-55):

| Person | Month | Fruit |
|--------|----------|--------|
| P | June | Mango |
| Q | March | Orange |
| R | June | Apple |
| S | December | Cherry |
| T | June | Guava |
| U | December | Banana |
| V | December | Kiwi |
| W | March | Peach |

51. (3) S, U and V were born in December.

52. (1) Q likes Orange and he was born in the month of March. W was also known in the month of March.

53. (2) T likes Guava.

54. (5) U likes Banana and he was born in the month of December.

55. (4) W likes Peach.

(56-60):

| Day | Person | Game |
|-----------|--------|------------|
| Monday | D | Volleyball |
| Tuesday | A | Football |
| Wednesday | G | Cricket |
| Thursday | B | Kho-Kho |
| Friday | C | Hockey |
| Saturday | F | Squash |
| Sunday | E | Tennis |

56. (2) G was appointed on Wednesday. He plays cricket.

57. (5) F himself plays squash. Four persons were appointed before C.

A plays football.

B was appointed on Thursday.

58. (3) E plays tennis. He was appointed on Sunday.

59. (4) Monday - Volleyball combination is correct.

60. (1) Two persons - A and D - were appointed before G.

(61-66):

| Day | Friend | Language |
|-----------|--------|----------|
| Monday | B | Hindi |
| Tuesday | E | French |
| Wednesday | F | English |
| Thursday | C | Chinese |
| Friday | G | Spanish |
| Saturday | A | German |
| Sunday | D | Japanese |

61. (3) B learns Hindi language immediately before the one who learns French language. Similarly, F learns English language immediately before the one who learns Chinese language. A learns German language immediately before the one who learns Japanese language.

62. (3) C learns Chinese language on Thursday immediately after F who learns English language. C learns Chinese language immediately before G.

63. (1) D learns Japanese language on Sunday (Thursday + 3). F learns English language on Wednesday (Sunday - 4).

B learns Hindi language on Monday (Friday - 4).

A learns German language on Saturday (Tuesday + 4).

G learns Spanish language on Friday (Monday + 4).

64. (4) D learns Japanese language on Sunday.

65. (2) A learns German language on Saturday.

66. (5) E learns French language on Tuesday.

67. (4)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 9 | 8 | 5 | 2 | 7 | 3 | 1 |
| 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 |

(68-70):

$$B > A > E$$

$$D > B$$

$$C > D > B > A > E$$

↓

24

11

68. (4) Jar D has more than 11 but less than 24 cookies.

69. (2) Jar A has the second lowest number of cookies.

70. (3) Jar E has less than 11 cookies.