

IBPS

Common Written Exam (PO/MT)

Held on : 17-06-2012

(Based On Memory)

Time : 2 Hrs. 30 Min.

REASONING ABILITY

DIRECTIONS (Qs. 1-4) : Study the following information carefully and answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement (**All the numbers are two digits numbers**)

Input : tall 48 13 rise alt 99 76 32 wise jar high 28 56 bam
Step I : 13 tall 48 rise 99 76 32 wise jar high 28 56 bam alt
Step II : 28 13 tall 48 rise 99 76 32 wise jar high 56 alt bam
Step III : 32 28 13 tall 48 rise 99 76 wise jar 56 alt bam high
Step IV : 48 32 28 13 tall rise 99 76 wise 56 alt bam high jar
Step V : 56 48 32 28 13 tall 99 76 wise alt bam high jar rise
Step VI : 76 56 48 32 28 13 99 wise alt bam high jar rise tall
Step VII : 99 76 56 48 32 28 13 alt bam high jar rise tall wise
and Step VII is the last step of the above input, as the desired arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input : 84 why sit 14 32 not best ink feet 51 27 vain 68 92
(All the numbers are two digits numbers)

- Which step number is the following output ?
32 27 14 84 why sit not 51 vain 92 68 feet best ink
(a) Step V (b) Step VI
(c) Step IV (d) Step III
(e) There is no such step
- Which word/number would be at 5th position from the right in Step V ?
(a) 14 (b) 92
(c) feet (d) best
(e) why
- How many elements (words or numbers) are there between 'feet' and '32' as they appear in the last step of the output ?
(a) One (b) Three
(c) Four (d) Five
(e) Seven
- Which of the following represents the position of 'why' in the fourth step ?
(a) Eighth from the left (b) Fifth from the right
(c) Sixth from the left (d) Fifth from the left
(e) Seventh from the left

DIRECTIONS (Qs. 5-11) : Study the following information carefully and answer the given questions :

A, B, C, D, E, F, G and H are sitting around a circle facing the centre but not necessarily in the same order.

- B sits second to left of H's husband. No female is an immediate neighbour of B.
 - D's daughter sits second to right of F. F is the sister of G. F is not an immediate neighbour of H's husband.
 - Only one person sits between A and F. A is the father of G. H's brother D sits to the immediate left of H's mother. Only one person sits between H's mother and E.
 - Only one person sits between H and G. G is the mother of C. G is not an immediate neighbour of E.
- What is position of A with respect to his mother-in-law ?
(a) Immediate left (b) Third to the right
(c) Third to the left (d) Second to the right
(e) Fourth to the left
 - Who amongst the following is D's daughter ?
(a) B (b) C
(c) E (d) G
(e) H
 - What is the position of A with respect to his grandchild ?
(a) Immediate right (b) Third to the right
(c) Third to the left (d) Second to the left
(e) Fourth to the left
 - How many people sit between G and her uncle ?
(a) One (b) Two
(c) Three (d) Four
(e) More than four
 - Four of the following five are alike in a certain way based on the given information and so form a group. Which is the one that does not belong to that group ?
(a) F (b) C
(c) E (d) H
(e) G
 - Which of the following is true with respect to the given seating arrangement ?
(a) C is the cousin of E
(b) H and H's husband are immediate neighbours of each other
(c) No female is an immediate neighbour of C
(d) H sits third to left of her daughter
(e) B is the mother of H

11. Who sits to the immediate left of C ?
 (a) F's grandmother (b) G's son
 (c) D's mother-in-law (d) A
 (e) G

DIRECTIONS (Qs. 12-18) : In each group of questions below are two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two/three statements disregarding commonly known facts.

Give answer (a) if only conclusion I follows;

Give answer (b) if only conclusion II follows;

Give answer (c) if either conclusion I or conclusion II follows;

Give answer (d) if neither conclusion I nor conclusion II follows;

Give answer (e) if both conclusion I and conclusion II follow.

12. **Statements** : Some exams are tests. No exam is a question.
Conclusions : I. No question is a test.
 II. Some tests are definitely not exams.
13. **Statements** : All forces are energies. All energies are powers. No power is heat.
Conclusions : I. Some forces are definitely not powers.
 II. No heat is force.
14. **Statements** : All forces are energies. All energies are powers. No power is heat.
Conclusions : I. No energy is heat.
 II. Some forces being heat is a possibility.
15. **Statements** : No note is a coin. Some coins are metals. All plastics are notes.
Conclusions : I. No coin is plastic.
 II. All plastics being metals is a possibility.
16. **Statements** : No note is a coin. Some coins are metals. All plastics are notes.
Conclusions : I. No metal is plastic.
 II. All notes are plastics.
17. **Statements** : Some symbols are figures. All symbols are graphics. No graphic is a picture.
Conclusions : I. Some graphics are figures.
 II. No symbol is a picture.
18. **Statements** : All vacancies are jobs. Some jobs are occupations.
Conclusions : I. All vacancies are occupations.
 II. All occupations being vacancies is a possibility.

DIRECTIONS (Qs. 19-21) : Study the following information carefully to answer the given questions :

Each of the six friends, A, B, C, D, E and F scored different marks in an examination. C scored more than only A and E. D scored less than only B. E did not score the least. The one who scored the third highest marks scored 81 marks. E scored 62 marks.

19. Which of the following could possibly be C's score ?
 (a) 70 (b) 94
 (c) 86 (d) 61
 (e) 81

20. Which of the following is true with respect to the given information ?
 (a) D's score was definitely less than 60
 (b) F scored the maximum marks
 (c) Only two people scored more than C
 (d) There is a possibility that B scored 79 marks
 (e) None is true
21. The person who scored the maximum, scored 13 marks more than F's marks. Which of the following can be D's score ?
 (a) 94 (b) 60
 (c) 89 (d) 78
 (e) 81

DIRECTIONS (Qs. 22-29) : Study the following information carefully to answer the given questions :

Eight persons from different banks viz. UCO bank, Syndicate bank, Canara bank, PNB, Dena Bank, Oriental Bank of Commerce, Indian bank and Bank of Maharashtra are sitting in two parallel rows containing four people each, in such a way that there is an equal distance between adjacent persons. In row-1 A, B, C and D are seated and all of them are facing south. In row-2 P, Q, R and S are seated and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. (All the information given above does not necessarily represent the order of seating as in the final arrangement)

- C sits second to right of the person from Bank of Maharashtra. R is an immediate neighbour of the person who faces the person from Bank of Maharashtra.
 - Only one person sits between R and the person for PNB. Immediate neighbour of the person from PNB faces the person from Canara Bank.
 - The person from UCO bank faces the person from Oriental Bank of Commerce. R is not from Oriental Bank of Commerce. P is not from PNB. P does not face the person from Bank of Maharashtra.
 - Q faces the person from Dena bank. The one who faces S sits to the immediate left of A.
 - B does not sit at any of the extreme ends of the line. The person from Bank of Maharashtra does not face the person from Syndicate bank.
22. Which of the following is true regarding A ?
 (a) The person from UCO bank faces A
 (b) The person from Bank of Maharashtra is an immediate neighbour of A
 (c) A faces the person who sits second to right of R
 (d) A is from Oriental Bank of Commerce
 (e) A sits at one of the extreme ends of the line
23. Who is seated between R and the person from PNB ?
 (a) The person from Oriental Bank of Commerce
 (b) P
 (c) Q
 (d) The person from Syndicate bank
 (e) S
24. Who amongst the following sit at extreme ends of the rows?
 (a) D and the person from PNB.
 (b) The person from Indian bank and UCO bank.
 (c) The person from Dena bank and P.
 (d) The persons from Syndicate bank and D.
 (e) C, Q

25. Who amongst the following faces the person from Bank of Maharashtra ?
 (a) The person from Indian bank
 (b) P
 (c) R
 (d) The person from Syndicate bank
 (e) The person from Canara bank
26. P is related to Dena bank in the same way as B is related to PNB based on the given arrangement. To who amongst the following is D related to, following the same pattern ?
 (a) Syndicate bank (b) Canara bank
 (c) Bank of Maharashtra (d) Indian bank
 (e) Oriental Bank of Commerce
27. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group. Which is the one that does not belong to that group ?
 (a) Canara bank (b) R
 (c) Syndicate bank (d) Q
 (e) Oriental Bank of Commerce
28. Who amongst the following is from Syndicate bank ?
 (a) C (b) R
 (c) P (d) D
 (e) A
29. C is from which of the following banks ?
 (a) Dena bank
 (b) Oriental Bank of Commerce
 (c) UCO bank
 (d) Syndicate bank
 (e) Canara bank
- (II) T does not live on an even numbered floor. Q lives on an even numbered floor. Q does not live on the topmost floor.
- (III) S lives on an odd numbered floor. There are two floors between the floors on which S and P live. T lives on a floor immediately above R's floor.
31. There are six letters W, A, R, S, N and E. Is 'ANSWER' the word formed after performing the following operations using these six letters only ?
 (I) E is placed fourth to the right of A. S is not placed immediately next to either A or E.
 (II) R is placed immediately next (either left or right) to E. W is placed immediately next (either left or right) to S.
 (III) Both N and W are placed immediately next to S. The word does not begin with R. A is not placed immediately next to W.
32. Point D is in which direction with respect to Point B ?
 (I) Point A is to the west of Point B. Point C is to the north of Point B. Point D is to the south of Point C.
 (II) Point G is to the south of Point D. Point G is 4 m from Point B. Point D is 9 m from Point B.
 (III) Point A is to the west of Point B. Point B is exactly midway between Points A and E. Point F is to the south of Point E. Point D is to the west of Point F.
33. How is 'one' coded in the code language ?
 (I) 'one of its kind' is coded as 'zo pi ko fe' and 'in kind and cash' is coded as 'ga, to ru ko'
 (II) Its point for origin' is coded as 'ba le fe mi' and 'make a point clear' is coded as 'yu si mi de'
 (III) 'make money and cash' is coded as 'to mi ru hy' and 'money of various kind' is coded as 'qu ko zo hy'.
34. Are all the four friends viz. A, B, C and D who are sitting around a circular table, facing the centre ?
 (I) B sits second to right of D. D faces the centre. C sits to immediate right of both B and D.
 (II) A sits to immediate left of B. C is not an immediate neighbour of A. C sits to immediate right of D.
 (III) D is an immediate neighbour of both A and C. B sits to the immediate left of A. C sits to the immediate right of B.

DIRECTIONS (Qs. 30-34) : Each of the questions below consists of a question and three statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the three statements and —

Give answer (a) if the data in Statement I and II are sufficient to answer the question, while the data in Statement III are not required to answer the question

Give answer (b) if the data in Statement I and III are sufficient to answer the question, while the data in Statement II are not required to answer the question

Give answer (c) if the data in Statement II and III are sufficient to answer the question, while the data in Statement I are not required to answer the question

Give answer (d) if the data in either Statement I alone or Statement II alone or Statement III alone are sufficient to answer the question.

Give answer (e) if the data in all the Statements I, II and III together are necessary to answer the question.

30. Among six people P, Q, R, S, T and V each lives on a different floor of a six storey 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). Who lives on the topmost floor ?
 (I) There is only one floor between the floors on which R and Q live. P lives on an even numbered floor.

DIRECTION (Qs. 35) : Read the following information carefully and answer the question which follows :

- Farmers found using chemical fertilizers in the organic-farming area of their farms would be heavily fined.
35. Which of the following statements is an assumption implicit in the given statement ? (An assumption is something supposed or taken for granted.)
 (a) Chemical fertilisers harm the crop.
 (b) A farm's area for organic and chemical farming is different.
 (c) Farmers who do not use chemical fertilizers in the chemical farming area would be penalized as well.
 (d) All farmers undertake both these kinds of farming (chemical as well as organic) in their farms.
 (e) Organic fertilizers are banned in the area for chemical farming.

DIRECTION (Qs. 36) : Read the following information carefully and answer the questions which follow:

Small brands are now looking beyond local grocery stores and are tying up with Supermarkets such as Big Bazaar to pull their business out of troubled waters.

36. Which of the following can be inferred from the given information ? (An inference is something that is not directly stated but can be inferred from the given information)
- Merchandise of smaller brands would not be available at local grocery stores in the near future.
 - Smaller brands cannot compete with bigger ones in a supermarket set-up.
 - There is a perception among small brands that sale in a supermarket is higher than that of small grocery stores.
 - Supermarkets generate more revenue by selling products of bigger brands as compared to the smaller ones.
 - Smaller brands have always had more tie-ups with supermarkets as compared to small grocery stores.

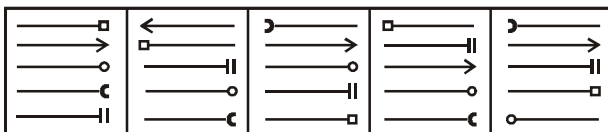
DIRECTIONS (Qs. 37-40) : These questions are based on the information given above and the sentences labeled (A), (B), (C), (D), (E) and (F) as given below.

- A smaller brand manufacturing a certain product of quality comparable with that of a bigger brand, makes much more profit from the local grocery stores than from the supermarkets.
- As the supermarkets have been set up only in bigger cities at present, this step would fail to deliver results in the smaller cities.
- Supermarkets help the smaller brands to break into newer markets without investing substantially in distribution.

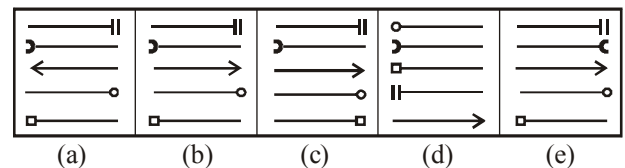
- Supermarkets charge the smaller brands 10% higher than the amount charged to the bigger brands.
 - Being outnumbered by the bigger brands, visibility of the smaller brands at local grocery stores is much lower as compared to the supermarkets.
 - Smaller brands are currently making substantial losses in their businesses.
37. Which of the statements numbered (A), (B), (C), (D), (E) and (F) can be assumed from the facts/ information given in the statement ? (An assumption is something supposed or taken for granted)
- Only (A)
 - Only (B)
 - Both (B) and (C)
 - Both (D) and (E)
 - Only (F)
38. Which of the statements numbered (A), (B), (C), (E) and (F) represents a disadvantage of the small grocery stores over the Supermarkets from the perspective of a smaller brand ?
- Only (A)
 - Only (C)
 - Only (E)
 - Only (F)
 - Both (B) and (C)
39. Which of the statements (A), (B), (C), (D) and (E) mentioned above represents a reason for the shift from local grocery stores to supermarkets by the smaller brands ?
- Only (A)
 - Only (B)
 - Only (D)
 - Both (A) and (D)
 - Both (C) and (E)
40. Which of the statements numbered (A), (B), (C), (E) and (F) mentioned above would prove that the step taken by the smaller brands (of moving to supermarkets) may not necessarily be correct ?
- Only (A)
 - Only (C)
 - Only (E)
 - Only (F)
 - Both (B) and (E)

DIRECTIONS (Qs. 41-45) : In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?

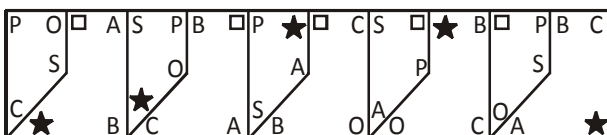
41. PROBLEM FIGURES



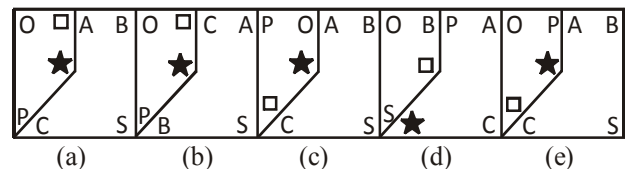
ANSWER FIGURES



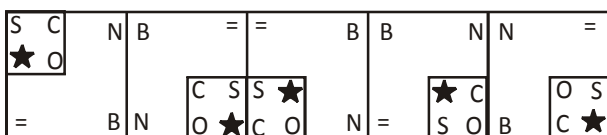
42. PROBLEM FIGURES



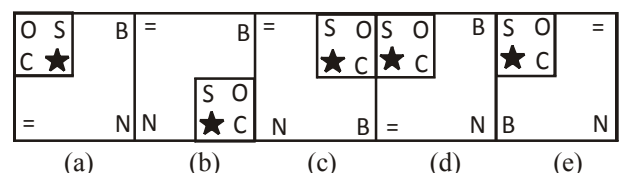
ANSWER FIGURES



43. PROBLEM FIGURES



ANSWER FIGURES



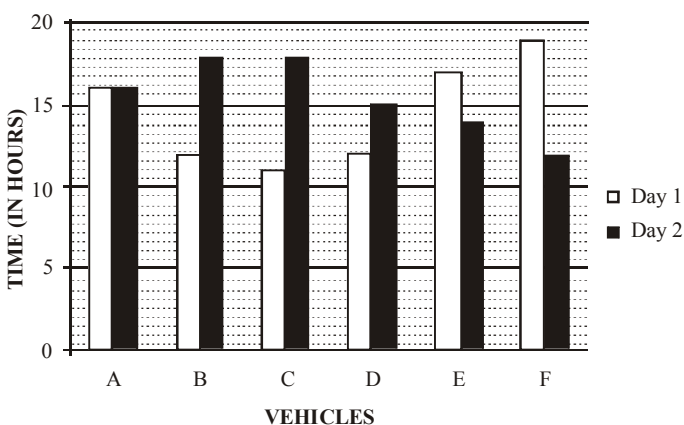
57. $\sqrt[3]{54821} \times (303 \div 8) = (?)^2$
 (a) 48 (b) 38
 (c) 28 (d) 18
 (e) 58
58. $\frac{5}{8}$ of 4011.33 + $\frac{7}{10}$ of 3411.22 = ?
 (a) 4810 (b) 4980
 (c) 4890 (d) 4930
 (e) 4850
59. 23% of 6783 + 57% of 8431 = ?
 (a) 6460 (b) 6420
 (c) 6320 (d) 6630
 (e) 6360
60. $335.01 \times 244.99 \div 55 = ?$
 (a) 1490 (b) 1550
 (c) 1420 (d) 1590
 (e) 1400

DIRECTIONS (Qs. 61-65) : In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

61. 5531 5506 5425 5304 5135 4910 4621
 (a) 5531 (b) 5425
 (c) 4621 (d) 5135
 (e) 5506
62. 6 7 9 13 26 37 69
 (a) 7 (b) 26
 (c) 69 (d) 37
 (e) 9
63. 1 3 10 36 152 760 4632
 (a) 3 (b) 36
 (c) 4632 (d) 760
 (e) 152
64. 7 4 5 9 20 51 160.5
 (a) 4 (b) 5
 (c) 9 (d) 20
 (e) 51
65. 157.5 45 15 6 3 2 1
 (a) 1 (b) 2
 (c) 6 (d) 157.5
 (e) 45

DIRECTIONS (Qs. 66-70) : Study the following graph and table carefully and answer the questions given below :

TIME TAKEN TO TRAVEL (IN HOURS) BY SIX VEHICLES ON TWO DIFFERENT DAYS



DISTANCE COVERED (IN KILOMETERS) BY SIX VEHICLES ON EACH DAY

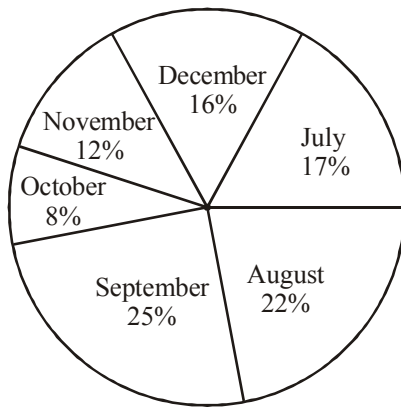
Vehicle	Day 1	Day 2
A	832	864
B	516	774
C	693	810
D	552	765
E	935	546
F	703	636

66. Which of the following vehicles travelled at the same speed on both the days ?
 (a) Vehicle A (b) Vehicle C
 (c) Vehicle F (d) Vehicle B
 (e) None of these
67. What was the difference between the speed of vehicle A on day 1 and the speed of vehicle C on the same day ?
 (a) 7 km/hr. (b) 12 km/hr.
 (c) 11 km/hr. (d) 8 km/hr.
 (e) None of these
68. What was the speed of vehicle C on day 2 in terms of meters per second ?
 (a) 15.3 (b) 12.8
 (c) 11.5 (d) 13.8
 (e) None of these
69. The distance travelled by vehicle F on day 2 was approximately what percent of the distance travelled by it on day 1 ?
 (a) 80 (b) 65
 (c) 85 (d) 95
 (e) 90
70. What is the respective ratio between the speeds of vehicle D and vehicle E on day 2 ?
 (a) 15:13 (b) 17:13
 (c) 13:11 (d) 17:14
 (e) None of these
71. An article was purchased for ₹ 78,350/-. Its price was marked up by 30%. It was sold at a discount of 20% on the marked up price. What was the profit percent on the cost price ?
 (a) 4 (b) 7
 (c) 5 (d) 3
 (e) 6
72. When X is subtracted from the numbers 9, 15 and 27, the remainders are in continued proportion. What is the value of X ?
 (a) 8 (b) 6
 (c) 4 (d) 5
 (e) None of these
73. What is the difference between the simple and compound interest on ₹ 7,300/- at the rate of 6 p.c.p.a. in 2 years ?
 (a) ₹ 29.37/- (b) ₹ 26.28/-
 (c) ₹ 31.41/- (d) ₹ 23.22/-
 (e) ₹ 21.34/-

74. Sum of three consecutive numbers is 2262. What is 41 % of the highest number ?
 (a) 301.51 (b) 303.14
 (c) 308.73 (d) 306.35
 (e) 309.55
75. In how many different ways can the letters of the word 'THERAPY' be arranged so that the vowels never come together ?
 (a) 720 (b) 1440
 (c) 5040 (d) 3600
 (e) 4800

DIRECTIONS (Qs. 76-80) : Study the following pie-chart and table carefully and answer the questions given below :

PERCENTAGEWISE DISTRIBUTION OF THE NUMBER OF MOBILE PHONES SOLD BY A SHOPKEEPER DURING SIX MONTHS
Total number of mobile phones sold = 45,000



The respective ratio between the number of mobile phones sold of company A and company B during six months

Month	Ratio
July	8:7
August	4:5
September	3:2
October	7:5
November	7:8
December	7:9

76. What is the respective ratio between the number of mobile phones sold of company B during July and those sold during December of the same company ?
 (a) 119:145 (b) 116:135
 (c) 119:135 (d) 119:130
 (e) None of these
77. If 35% of the mobile phones sold by company A during November were sold at a discount, how many mobile phones of company A during that month were sold without a discount?
 (a) 882 (b) 1635
 (c) 1638 (d) 885
 (e) None of these
78. If the shopkeeper earned a profit of ₹433/- on each mobile phone sold of company B during October, what was his total profit earned on the mobile phones of that company during the same month ?
 (a) ₹6,49,900/- (b) ₹6,45,900/-
 (c) ₹6,49,400/- (d) ₹6,49,500/-
 (e) None of these
79. The number of mobile phones sold of company A during July is approximately what percent of the number of mobile phones sold of company A during December ?
 (a) 110 (b) 140
 (c) 150 (d) 105
 (e) 130
80. What is the total number of mobile phones sold of company B during August and September together ?
 (a) 10,000 (b) 15,000
 (c) 10,500 (d) 9,500
 (e) None of these

DIRECTIONS (Qs. 81-85) : Study the following information and answer the questions that follow :

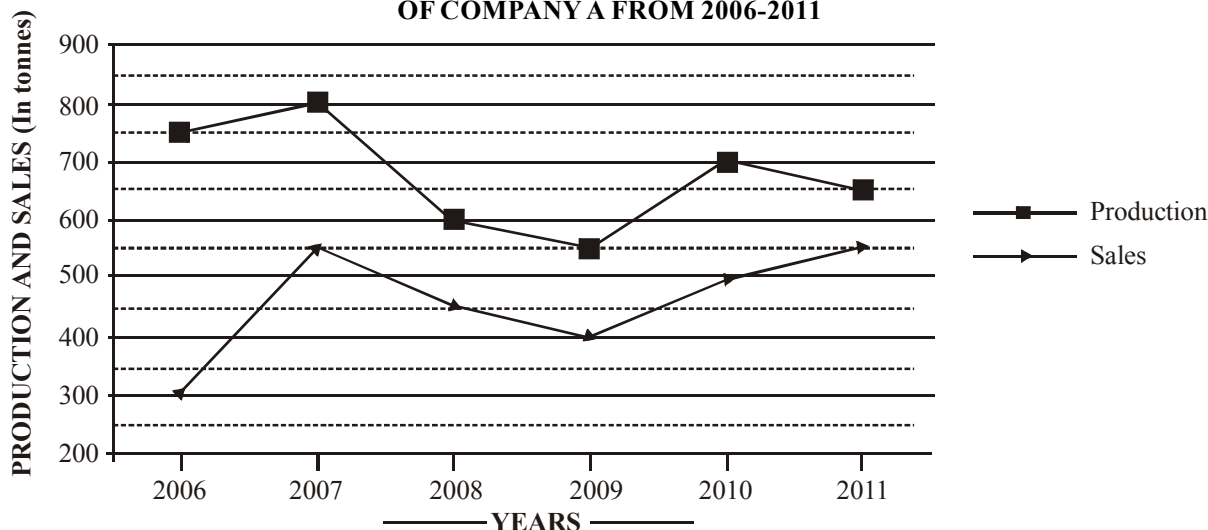
The premises of a bank are to be renovated. The renovation is in terms of flooring. Certain areas are to be floored either with marble or wood. All rooms/halls and pantry are rectangular. The area to be renovated comprises of a hall for customer transaction measuring 23 m by 29 m, branch manager's room measuring 13 m by 17 m, a pantry measuring 14 m by 13 m, a record keeping cum server room measuring 21 m by 13 m and locker area measuring 29 m by 21 m. The total area of the bank is 2000 square meters. The cost of wooden flooring is ₹170/- per square meter and the cost of marble flooring is ₹190/- per square meter. The locker area, record keeping cum server room and pantry are to be floored with marble. The branch manager's room and the hall for customer transaction are to be floored with wood. No other area is to be renovated in terms of flooring.

81. What is the respective ratio of the total cost of wooden flooring to the total cost of marble flooring ?
 (a) 1879 : 2527 (b) 1887 : 2386
 (c) 1887 : 2527 (d) 1829 : 2527
 (e) 1887 : 2351
82. If the four walls and ceiling of the branch managers room (The height of the room is 12 meters) are to be painted at the cost of ₹190/- per square meter, how much will be the total cost of renovation of the branch manager's room including the cost of flooring ?
 (a) ₹1,36,800/- (b) ₹2,16,660/-
 (c) ₹1,78,790/- (d) ₹2,11,940/-
 (e) None of these
83. If the remaining area of the bank is to be carpeted at the rate of ₹110/- per square meter, how much will be the increment in the total cost of renovation of bank premises ?
 (a) ₹5,820/- (b) ₹4,848/-
 (c) ₹3,689/- (d) ₹6,890/-
 (e) None of these
84. What is the percentage area of the bank that is not to be renovated ?
 (a) 2.2 (b) 2.4
 (c) 4.2 (d) 4.4
 (e) None of these

85. What is the total cost of renovation of the hall for customer transaction and the locker area ?
 (a) ₹ 2,29,100/- (b) ₹ 2,30,206/-
 (c) ₹ 2,16,920/- (d) ₹ 2,42,440/-
 (e) None of these
86. A certain amount was to be distributed among A, B and C in the ratio 2 : 3 : 4 respectively, but was erroneously distributed in the ratio 7 : 2 : 5 respectively. As a result of this, B got ₹ 40 less. What is the amount ?
 (a) ₹ 210/- (b) ₹ 270/-
 (c) ₹ 230/- (d) ₹ 280/-
 (e) None of these
87. Rachita enters a shop to buy ice-creams, cookies and pastries. She has to buy atleast 9 units of each. She buys more cookies than ice-creams and more pastries than cookies. She picks up a total of 32 items. How many cookies does she buy ?
 (a) Either 12 or 13 (b) Either 11 or 12
 (c) Either 10 or 11 (d) Either 9 or 11
 (e) Either 9 or 10
88. The fare of a bus is ₹ X for the first five kilometers and ₹ 13/- per kilometer thereafter. If a passenger pays ₹ 2402/- for a journey of 187 kilometers, what is the value of X ?
 (a) ₹ 29/- (b) ₹ 39/-
 (c) ₹ 36/- (d) ₹ 31/-
 (e) None of these
89. The product of three consecutive even numbers is 4032. The product of the first and the third number is 252. What is five times the second number ?
 (a) 80 (b) 100
 (c) 60 (d) 70
 (e) 90
90. The sum of the ages of 4 members of a family 5 years ago was 94 years. Today, when the daughter has been married off and replaced by a daughter-in-law, the sum of their ages is 92. Assuming that there has been no other change in the family structure and all the people are alive, what is the difference in the age of the daughter and the daughter-in-law ?
 (a) 22 years (b) 11 years
 (c) 25 years (d) 19 years
 (e) 15 years
91. A bag contains 13 white and 7 black balls. Two balls are drawn at random. What is the probability that they are of the same colour ?
 (a) $\frac{41}{190}$ (b) $\frac{21}{190}$
 (c) $\frac{59}{190}$ (d) $\frac{99}{190}$
 (e) $\frac{77}{190}$
92. Akash scored 73 marks in subject A. He scored 56% marks in subject B and X marks in subject C. Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in all the three subjects together were 54%. How many marks did he score in subject C ?
 (a) 84 (b) 86
 (c) 79 (d) 73
 (e) None of these
93. The area of a square is 1444 square meters. The breadth of a rectangle is $\frac{1}{4}$ th the side of the square and the length of the rectangle is thrice the breadth. What is the difference between the area of the square and the area of the rectangle?
 (a) 1152.38 sq.mtr. (b) 1169.33 sq.mtr
 (c) 1181.21 sq.mtr. (d) 1173.25 sq.mtr
 (e) None of these
94. ₹ 73,689/- are divided between A and B in the ratio 4 : 7. What is the difference between thrice the share of A and twice the share of B ?
 (a) ₹ 36,699/- (b) ₹ 46,893/-
 (c) ₹ 20,097/- (d) ₹ 26,796/-
 (e) ₹ 13,398/-
95. A and B together can complete a task in 20 days. B and C together can complete the same task in 30 days. A and C together can complete the same task in 40 days. What is the respective ratio of the number of days taken by A when completing the same task alone to the number of days taken by C when completing the same task alone ?
 (a) 2 : 5 (b) 2 : 7
 (c) 3 : 7 (d) 1 : 5
 (e) 3 : 5

DIRECTIONS (Qs. 96-100) : Study the following information and answer the questions that follow :

THE GRAPH GIVEN BELOW REPRESENTS THE PRODUCTION (IN TONNES) AND SALES (IN TONNES) OF COMPANY A FROM 2006-2011



The table given below represents the respective ratio of the production (in tonnes) of Company A to the production (in tonnes) of Company B, and the respective ratio of the sales (in tonnes) of Company A to the sales (in tonnes) of Company B.

Year	Production	Sales
2006	5:4	2:3
2007	8:7	11:12
2008	3:4	9:14
2009	11:12	4:5
2010	14:13	10:9
2011	13:14	1:1

96. What is the approximate percentage increase in the production of Company A (in tonnes) from the year 2009 to the production of Company A (in tonnes) in the year 2010 ?
 (a) 18 (b) 38
 (c) 23 (d) 27
 (e) 32
97. The sales of Company A in the year 2009 was approximately what percent of the production of Company A in the same year ?
 (a) 65 (b) 73
 (c) 79 (d) 83
 (e) 69
98. What is the average production of Company B (in tonnes) from the year 2006 to the year 2011 ?
 (a) 574 (b) 649
 (c) 675 (d) 593
 (e) 618
99. What is the respective ratio of the total production (in tonnes) of Company A to the total sales (in tonnes) of Company A ?
 (a) 81 : 64 (b) 64 : 55
 (c) 71 : 81 (d) 71 : 55
 (e) 81 : 55
100. What is the respective ratio of production of Company B (in tonnes) in the year 2006 to production of Company B (in tonnes) in the year 2008 ?
 (a) 2 : 5 (b) 4 : 5
 (c) 3 : 4 (d) 3 : 5
 (e) 1 : 4
103. Which of the following Ministries along with Planning Commission of India has decided to set up a Corpus Fund of ₹ 500 crore, so that Tribals in Naxal-hit areas can be provided proper means of livelihood ?
 (a) Ministry of Rural Development
 (b) Ministry of Home Affairs
 (c) Ministry of Tribal Affairs
 (d) Ministry of Corporate Affairs
 (e) Ministry of Finance
104. Which of the following was the issue over which India decided to vote against Sri Lanka in the meeting of one of the UN governed bodies/agencies ?
 (a) Violations of human rights in Sri Lanka
 (b) Allowing China to establish a military base in Indian ocean
 (c) Issue of subsidy on agricultural products in the meeting of the WTO
 (d) Allowing part of Sri Lanka to become an independent country governed by LTTE
 (e) Sri Lanka's claim to become a permanent member of UN Security Council
105. The term 'Smart Money' refers to _____.
 (a) Foreign Currency (b) Internet Banking
 (c) US Dollars (d) Travelers' cheques
 (e) Credit Cards
106. Which one of the following is not a 'Money Market Instrument' ?
 (a) Treasury Bills (b) Commercial Paper
 (c) Certificate of Deposit (d) Equity Shares
 (e) None of these
107. Which one of the following is a retail banking product ?
 (a) Home Loans (b) Working capital finance
 (c) Corporate term loans (d) Infrastructure financing
 (e) Export Credit
108. Which of the following Statements is TRUE about political situation in Mali, where a military coup burst out recently ?
 (a) General elections were due there in March/April 2012 but did not take place
 (b) The country was under the control of US army since last 18 months
 (c) Army of the country was not happy as Amadou Toure was made President without elections for the next five years
 (d) Coup broke out in Mali when Amadou Toure, the Military Chief got seriously injured in a bomb blast
 (e) NATO and its associates had planned a coup there
109. In the summit of which of the following organizations/group of Nations it was decided that all members should enforce Budget Discipline ?
 (a) G-8 (b) OPEC
 (c) European Union (d) SAARC
 (e) G-20
110. As per newspaper reports, India is planning to use 'SEU' as fuel in its 700 MW nuclear reactors being developed in new plants. What is full form of 'SEU' as used here ?
 (a) Safe Electrical Units
 (b) Small Electrical Unite
 (c) Slightly Enriched Uranium
 (d) Sufficiently Enriched Units
 (e) Safely Enriched Uranium

GENERAL AWARENESS

101. A money deposited at a bank that cannot be withdrawn for a preset fixed period of time is known as a _____.
 (a) Term deposit (b) Checking Account
 (c) Savings Bank Deposit (d) No Frills Account
 (e) Current Deposit
102. A worldwide financial messaging network which exchanges messages between banks and financial institutions is known as _____.
 (a) CHAPS (b) SWIFT
 (c) NEFT (d) SFMS
 (e) CHIPS

111. Technological Advancement in the recent times has given a new dimension to banks, mainly to which one of the following aspects ?
 (a) New Age Financial Derivatives
 (b) Service Delivery Mechanism
 (c) Any Banking
 (d) Any Type Banking
 (e) Multilevel Marketing
112. When there is a difference between all receipts and expenditure of the Govt. of India, both capital and revenue, it is called _____.
 (a) Revenue Deficit (b) Budgetary Deficit
 (c) Zero Budgeting (d) Trade Gap
 (e) Balance of payment problem
113. Which of the following is **NOT** a function of the Reserve Bank of India ?
 (a) Fiscal Policy Functions
 (b) Exchange Control Functions
 (c) Issuance, Exchange and destruction of currency notes
 (d) Monetary Authority Functions
 (e) Supervisory and Control Functions
114. Which of the following is **NOT** required for opening a bank account ?
 (a) Identity Proof (b) Address Proof
 (c) Recent Photographs (d) Domicile Certificate
 (e) None of these
115. The Golden Jubilee of Afro-Asian Rural Development organization was organized in which of the following places in March 2012 ?
 (a) Dhaka (b) Tokyo
 (c) Cairo (d) Kuala Lumpur
 (e) New Delhi
116. What is the maximum deposit amount insured by DICGC ?
 (a) ₹ 2,00,000 per depositor per bank
 (b) ₹ 2,00,000 per depositor across all banks
 (c) ₹ 1,00,000 per depositor per bank
 (d) ₹ 1,00,000 per depositor across all banks
 (e) None of these
117. The present Foreign Trade policy of India will continue till-
 (a) December 2012 (b) March 2013
 (c) March 2014 (d) June 2013
 (e) December 2014
118. With reference to a cheque which of the following is the "drawee bank" ?
 (a) The bank that collects the cheque
 (b) The payee's bank
 (c) The endorsee's bank
 (d) The endorser's bank
 (e) The bank upon which the cheque is drawn
119. In which of the following fund transfer mechanisms, can funds be moved from one bank to another and where the transaction is settled instantly without being bunched with any other transaction ?
 (a) RTGS (b) NEFT
 (c) TT (d) EFT
 (e) MT
120. What was the reason owing to which Enrica Lexie, an Italian ship was detained by the Port Authorities in Kerala and was brought to Cochin port for inspection and search ?
 (a) It was carrying objectionable material
 (b) It was involved in sea piracy
 (c) It was detained as the crew killed two Indian fishermen
 (d) The ship started sailing without making payments of iron ore it loaded
 (e) It was detained as it was dumping nuclear waste in deep sea
121. Which of the following agencies/organizations recently gave 'go-ahead' verdict to India's one of the most controversial project of inter linking rivers? (some of the rivers are international rivers)
 (a) UN Food and Agriculture Organisation
 (b) World Meteorological Organisation
 (c) International Court of Justice
 (d) Central Water Commission
 (e) Supreme Court of India
122. Who among the following was the Captain of the Australian Team which played 4 Test matches against India in January 2012 and won all of them ?
 (a) Ricky Ponting (b) Michael Clarke
 (c) Nathan Lyon (d) Stuart Clark
 (e) Andrew Symonds
123. The committee on review of National Small Saving Fund (NSSF) was headed by _____.
 (a) Dr. C. Rangarajan (b) Mr. U. K. Sinha
 (c) Dr. Y. V. Reddy (d) Mrs. Shyamala Gopinath
 (e) Dr. Usha Thorat
124. Banking Ombudsman Scheme is applicable to the business of _____.
 (a) All scheduled commercial banks excluding RRBs
 (b) All scheduled commercial banks including RRBs
 (c) Only Public Sector Banks
 (d) All Banking Companies
 (e) All scheduled banks except private banks
125. The 5th Asian Indoor Athletics Championship was organized in February 2012 in _____.
 (a) Bangladesh (b) India
 (c) Qatar (d) China
 (e) South Korea
126. Nationalization of banks aimed at all of the following except _____.
 (a) Provision of adequate credit for agriculture, SME and exports
 (b) Removal of control by a few capitalists
 (c) Provision of credit to big industries only
 (d) Access of banking to masses
 (e) Encouragement of a new class of entrepreneurs
127. Who among the following was the Chief Guest at the three-day Pravasi Bharatiya Divas function held in January 2012 ?
 (a) Kamla Persad - Bissessar
 (b) Ram Baran Yadav
 (c) Lakshmi Mittal
 (d) Salman Rushdie
 (e) Benjamin Netanyahu

128. Which of the following banks is headed by a woman CEO _____.
- (a) Bank of Baroda (b) HDFC Bank
(c) Central Bank of India (d) Punjab National Bank
(e) ICICI Bank
129. As per revised RBI Guidelines, Provision on secured portion of loan accounts classified as Doubtful Assets for more than one year and upto 3 (three) years is to be made at the rate of _____.
- (a) 15% (b) 20%
(c) 40% (d) 25%
(e) 30%
130. As per the provisions in the Food Security Bill - 2011, per month how much food grain should be given to each person of the target group ?
- (a) 5 kg. (b) 7 kg.
(c) 9 kg. (d) 10 kg.
(e) 20 kg.
131. Which of the following acts in vogue in India is against the thinking of raising school fee as per demand of the market forces ?
- (a) Prevention of Corruption Act
(b) Child Labour (Prohibition & Regulation) Act
(c) Sharda Act
(d) Right to Education Act
(e) MG National Rural Employment Guarantee Act
132. Which of the following states has launched 'Panch Parmeshwar Yojana' under which panchayats are allowed to use the fund for developing infrastructure and basic amenities in villages ?
- (a) Uttar Pradesh (b) Maharashtra
(c) Gujarat (d) Madhya Pradesh
(e) Tamil Nadu
133. Base Rate is the rate below which no Bank can allow their lending to anyone. Who sets up this 'Base Rate' for Banks?
- (a) Individual Banks, Board
(b) Ministry of Commerce
(c) Ministry of Finance
(d) RBI
(e) Interest Rate Commission of India
134. National Table Tennis Championship was organized in January 2012 in _____.
- (a) Mumbai (b) Delhi
(c) Hyderabad (d) Lucknow
(e) Jaipur
135. Who among the following is the author of the book 'Nirbasan'?
- (a) Mahashweta Devi (b) Taslima Nasreen
(c) Sunil Gangopadhyay (d) Vikram Seth
(e) Kiran Desai
136. What is a Debit Card ?
- (a) It is a card issued by a Rating Agency
(b) It is a card which can be used for withdrawing cash or making payment even in the absence of any balance in the account
(c) It is a card which can be used for withdrawing cash or making payment if there is balance in the account
(d) It is a card which carries prepaid balance
(e) It is a card which can be used for making STD calls
137. Who among the following Indian Lawn Tennis player won a Doubles of Australian Open 2012 ?
- (a) Mahesh Bhupati (b) Kamlesh Mehta
(c) Leander Paes (d) Sania Mirza
(e) Achanta Sarath Kamal
138. 'Akula-11' Class 'K-152 Nerpa' was inducted in Indian Navy recently. These are _____.
- (a) Aircrafts (b) Radar System
(c) Submarines Missiles (d) Warship
(e) Submarines
139. Which of the following awards was conferred upon Late Mario De Miranda (Posthumously) in January 2012 ?
- (a) Padma Vibhushan (b) Bharat Ratna
(c) Kalidas Samman (d) Saraswati Samman
(e) Padmashri
140. Bad advances of a Bank are called _____.
- (a) Bad debt (b) Book debt
(c) Non Performing Asset (d) Out of order accounts
(e) Overdrawn accounts
141. Axis Bank is a _____.
- (a) Public Sector Bank (b) Private Sector Bank
(c) Co-operative Bank (d) Foreign Bank
(e) Gramin Bank
142. By increasing repo rate, the economy may observe the following effects _____.
- (a) Rate of interest on loans and advances will be costlier
(b) Industrial output would be affected to an extent
(c) Banks will increase rate of interest on deposits
(d) Industry houses may borrow money from foreign countries
(e) All of these
143. Increased interest rates, as is existing in the economy at present will _____.
- (a) Lead to higher GDP growth
(b) Lead to lower GDP growth
(c) Mean higher cost of raw materials
(d) Mean lower cost of raw materials
(e) Mean higher wage bill
144. Which of the following schemes is launched to provide pension to people in unorganized sectors in India ?
- (a) Swabhiman (b) Jeevan Dhara
(c) Jeevan Kalyan (d) ASHA
(e) Swavalamban
145. The 10th Basic Ministerial Meeting on Climate Change was organized in February 2012 in _____.
- (a) Tokyo (b) Beijing
(c) Manila (d) Moscow
(e) New Delhi
146. Finance Ministry has asked the Reserve Bank of India to allow common ATM's that will be owned and managed by non-banking entities hoping to cut transaction costs for banks. Such ATM's are known as _____.
- (a) Black Label ATM's
(b) off site ATM's
(c) on site ATM's or red ATM's
(d) third party ATM's
(e) white label ATM's

147. Which of the following schemes of the Govt. of India has provided electricity to 99000 villages and total 1.7 crore households uptill now ?
 (a) Kutir Jyoti
 (b) Rajiv Gandhi Grameen Vidyutikaran Yojana
 (c) Bharat Nirman
 (d) PURA
 (e) SEWA
148. Ranbir Kapoor was awarded Best Actor Award in 57th Filmfare Award Function for his performance in _____.
 (a) No One Killed Jessica
 (b) Stanley Ka Dabba
 (c) 7 Khoon Maaf
 (d) Rockstar
 (e) Zindagi Na Milegi Dobara
149. An ECS transaction gets bounced and you are unable to recover your money from your customer. Under which Act criminal action can be initiated ?
 (a) Indian Penal Code
 (b) Negotiable Instruments Act
 (c) Criminal Procedure Code
 (d) Payment and Settlements Act
 (e) Indian Contract Act
150. Mr. Rajendra had filed a complaint with Banking Ombudsman but is not satisfied with the decision. What is the next option before him for getting his matter resolved ?
 (a) Write to the CMD of the Bank.
 (b) File an appeal before the Finance Minister.
 (c) File an appeal before the Banking Ombudsman again.
 (d) File an appeal before the Dy. Governor RBI.
 (e) Simply close the matter as going to court involves time and money.
155. Fourth-generation mobile technology provides enhanced capabilities allowing the transfer of both _____ data, including full-motion video, high-speed Internet access, and videoconferencing.
 (a) video data and information
 (b) voice and nonvoice
 (c) music and video
 (d) video and audio
 (e) None of these
156. _____ is a form of denial of service attack in which a hostile client repeatedly sends SYN packets to every port on the server using fake IP addresses.
 (a) Cyborgaming crime (b) Memory shaving
 (c) Syn flooding (d) Software piracy
 (e) None of these
157. Which of these is a point-and-draw device ?
 (a) mouse (b) scanner
 (c) printer (d) CD-ROM
 (e) Keyboard
158. The letter and number of the intersecting column and row is the _____.
 (a) cell location (b) cell position
 (c) cell address (d) cell coordinates
 (e) cell contents
159. A set of rules for telling the computer what operations to perform is called a _____.
 (a) procedural language (b) structures
 (c) natural language (d) command language
 (e) programming language
160. A detailed written description of the programming cycle and the program, along with the test results and a printout of the program is called _____.
 (a) documentation (b) output
 (c) reporting (d) spec sheets
 (e) Directory

COMPUTER KNOWLEDGE

151. _____ allows users to upload files to an online site so they can be viewed and edited from another location.
 (a) General-purpose applications
 (b) Microsoft Outlook
 (c) Web-hosted technology
 (d) Office Live
 (e) None of these
152. What feature adjusts the top and bottom margins so that the text is centered vertically on the printed page ?
 (a) Vertical justifying (b) Vertical adjusting
 (c) Dual centering (d) Horizontal centering
 (e) Vertical centering
153. Which of these is **not** a means of personal communication on the Internet ?
 (a) chat (b) instant messaging
 (c) instanotes (d) electronic mail
 (e) None of these
154. What is the overall term for creating, editing, formatting, storing, retrieving, and printing a text document ?
 (a) Word processing (b) Spreadsheet design
 (c) Web design (d) Database management
 (e) Presentation generation
161. Forms that are used to organize business data into rows and columns are called _____.
 (a) transaction sheets (b) registers
 (c) business forms (d) sheet-spreads
 (e) spreadsheets
162. In Power Point, the Header and Footer button can be found on the Insert tab in what group ?
 (a) Illustrations group (b) Object group
 (c) Text group (d) Tables group
 (e) None of these
163. A(n) _____ is a set of programs designed to manage the resources of a computer, including starting the computer, managing programs, managing memory, and coordinating tasks between input and output devices.
 (a) application suite (b) compiler
 (c) input/output system (d) interface
 (e) operating system (OS)
164. A typical slide in a slide presentation would not include _____.
 (a) photo images charts, and graphs
 (b) graphs and clip art
 (c) clip art and audio clips
 (d) full-motion video
 (e) content templates

165. The PC productivity tool that manipulates data organized in rows and columns is called a _____.
 (a) spreadsheet
 (b) word processing document
 (c) presentation mechanism
 (d) database record manager
 (e) EDI creator
166. In the absence of parentheses, the order of operation is _____.
 (a) Exponentiation, addition or subtraction, multiplication or division
 (b) Addition or subtraction, multiplication or division, exponentiation
 (c) Multiplication or division, exponentiation, addition or subtraction
 (d) Exponentiation, multiplication or division, addition or subtraction
 (e) Addition or subtraction, exponentiation, Multiplication or division
167. To find the Paste Special option, you use the Clipboard group on the _____ tab of PowerPoint.
 (a) Design (b) Slide Show
 (c) Page Layout (d) Insert
 (e) Home
168. An _____ program is one that is ready to run and does not need to be altered in any way.
 (a) interpreter (b) high-level
 (c) compiler (d) COBOL
 (e) executable
169. Usually downloaded into folders that hold temporary Internet files, _____ are written to your computer's hard disk by some of the Web sites you visit.
 (a) anonymous files (b) behaviour files
 (c) banner ads (d) large files
 (e) cookies
170. What is the easiest way to change the phrase, revenues, profits, gross margin, to read revenues, profits, and gross margin ?
 (a) Use the insert mode, position the cursor before the g in gross, then type the word and followed by a space
 (b) Use the insert mode, position the cursor after the g in gross, then type the word and followed by a space
 (c) Use the overtype mode, position the cursor before the g in gross, then type the word and followed by a space
 (d) Use the overtype mode, position the cursor after the g in gross, then type the word and followed by a space
 (e) None of these
171. A program, either talk or music, that is made available in digital format for automatic download over the Internet is called a _____.
 (a) wiki (b) broadcast
 (c) vodcast (d) blog
 (e) podcast
172. Which PowerPoint view displays each slide of the presentation as a thumbnail and is useful for rearranging slides ?
 (a) Slide Sorter (b) Slide Show
 (c) Slide Master (d) Notes Page
 (e) Slide Design
173. Different components on the motherboard of a PC unit are linked together by sets of parallel electrical conducting lines. What are these lines called ?
 (a) Conductors (b) Buses
 (c) Connectors (d) Consecutives
 (e) None of these
174. What is the name given to those applications that combine text, sound, graphics, motion video, and/ or animation ?
 (a) motionware (b) anigraphics
 (c) videoscapes (d) multimedia
 (e) maxomedia
175. A USB communication device that supports data encryption for secure wireless communication for notebook users is called a _____.
 (a) USB wireless network adapter
 (b) wireless switch
 (c) wireless hub
 (d) router
 (e) None of these
176. A(n) _____ language reflects the way people think mathematically.
 (a) cross-platform programming
 (b) 3GL business programming
 (c) event-driven programming
 (d) functional
 (e) None of these
177. When entering text within a document, the Enter key is normally pressed at the end of every _____.
 (a) Line (b) Sentence
 (c) Paragraph (d) word
 (e) file
178. When a real-time telephone call between people is made over the Internet using computers, it is called _____.
 (a) a chat session (b) an e-mail
 (c) an instant message (d) Internet telephony
 (e) None of these.
179. Which of the following is the first step in sizing a window ?
 (a) Point to the title bar
 (b) Pull down the View menu to display the toolbar
 (c) Point to any corner or border
 (d) Pull down the View menu and change to large icons
 (e) None of these
180. Which of the following software could assist someone who cannot use their hands for computer input ?
 (a) Video conferencing (b) Speech recognition
 (c) Audio digitizer (d) Synthesizer
 (e) None of these
181. _____ a document means the file is transferred from another computer to your computer.
 (a) Uploading
 (b) Really Simple Syndication (RSS)
 (c) Accessing
 (d) Downloading
 (e) Upgrading
182. Which computer memory is used for storing programs and data currently being processed by the CPU ?
 (a) Mass memory (b) Internal memory
 (c) Non-volatile memory (d) PROM
 (e) None of these

183. Computers that control processes accept data in a continuous _____.
 (a) data traffic pattern (b) data highway
 (c) infinite loop (d) feedback loop
 (e) slot
184. What refers to a set of characters of a particular design ?
 (a) keyface (b) formation
 (c) calligraph (d) stencil
 (e) typeface
185. _____ is used by public and private enterprises to publish and share financial information with each other and industry analysts across all computer platforms and the Internet.
 (a) Extensible Markup Language (EML)
 (b) Extensible Business Reporting Language (XBRL)
 (c) Enterprise Application Integration (EAI)
 (d) Sales Force Automation (SFA) software
 (e) None of these
186. Which part of the computer is used for calculating and comparing ?
 (a) ALU (b) Control unit
 (c) Disk unit (d) Modem
 (e) None of these
187. The method of Internet access that requires a phone line, but offers faster access speeds than dial-up is the _____ connection.
 (a) cable access
 (b) satellite access
 (c) fiber-optic service
 (d) Digital Subscriber Line (DSL)
 (e) modem
188. _____ software creates a mirror image of the entire hard disk, including the operating system, applications, files, and data.
 (a) Operating system (b) Backup software
 (c) Utility programs (d) Driver imaging
 (e) None of these
189. What is a URL?
 (a) a computer software program
 (b) a type of programming object
 (c) the address of a document or "page" on the World Wide Web
 (d) an acronym for Unlimited Resources for Learning
 (e) a piece of hardware
190. What is the significance of a faded (dimmed) command in a pull-down menu ?
 (a) The command is not currently accessible
 (b) A dialog box appears if the command is selected
 (c) A Help window appears if the command is selected
 (d) There are no equivalent keystrokes for the particular command
 (e) None of these
191. Your business has contracted with another company to have them host and run an application for your company over the Internet. The company providing this service to your business is called an _____.
 (a) Internet service provider
 (b) Internet access provider
 (c) Application service provider
 (d) Application access provider
 (e) Outsource agency
192. A(n) _____ allows you to access your e-mail from anywhere.
 (a) Forum (b) Webmail interface
 (c) Message Board (d) Weblog
 (e) None of these
193. Which of the following would you find on LinkedIn ?
 (a) Games (b) Connections
 (c) Chat (d) Applications
 (e) None of these
194. _____ is a technique that is used to send more than one call over a single line.
 (a) Digital transmission (b) Infrared transmission
 (c) Digitizing (d) Streaming
 (e) Multiplexing
195. The Search Companion can _____.
 (a) Locate all files containing a specified phrase
 (b) Restrict its search to a specified set of folders
 (c) Locate all files containing a specified phrase and restrict its search to a specified set of folders
 (d) Cannot locate all files containing a specified phrase or restrict its search to a specified set of folders
 (e) None of these
196. Which of the following **cannot** be part of an email address ?
 (a) Period (.) (b) At sign (@)
 (c) Space () (d) Underscore (_)
 (e) None of these
197. Which of the following must be contained in a URL ?
 (a) a protocol identifier
 (b) the letters, www.
 (c) the unique registered domain name
 (d) www. and the unique registered domain name
 (e) a protocol identifier, www. and the unique registered domain name
198. Which of the following information systems focuses on making manufacturing processes more efficient and of higher quality ?
 (a) Computer-aided manufacturing
 (b) Computer-integrated manufacturing
 (c) Computer-aided software engineering
 (d) Computer-aided system engineering
 (e) None of these
199. A mistake in an algorithm that causes incorrect results is called a _____.
 (a) logical error (b) syntax error
 (c) procedural error (d) compiler error
 (e) machine error
200. A device for changing the connection on a connector to a different configuration is-
 (a) a converter (b) a component
 (c) an attachment (d) an adapter
 (e) Voltmeter

ENGLISH LANGUAGE

DIRECTIONS (Qs. 201-215) : *Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.*

When times are hard, doomsayers are aplenty. The problem is that if you listen to them too carefully, you tend to overlook the most obvious signs of change. 2011 was a bad year. Can 2012 be any worse? Doomsday forecasts are the easiest to make these days. So let's try a contrarian's forecast instead.

Let's start with the global economy. We have seen a steady flow of good news from the US. The employment situation seems to be improving rapidly and consumer sentiment, reflected in retail expenditures on discretionary items like electronics and clothes, has picked up. If these trends sustain, the US might post better growth numbers for 2012 than the 1.5-1.8 percent being forecast currently.

Japan is likely to pull out of a recession in 2012 as post-earthquake reconstruction efforts gather momentum and the fiscal stimulus announced in 2011 begins to pay off. The consensus estimate for growth in Japan is a respectable 2 per cent for 2012.

The "hard-landing" scenario for China remains and will remain a **myth**. Growth might decelerate further from the 9 per cent that it expected to **clock** in 2011 but is unlikely to drop below 8-8.5 percent in 2012.

Europe is certainly in a spot of trouble. It is perhaps already in recession and for 2012 it is likely to post mildly negative growth. The risk of implosion has dwindled over the last few months - peripheral economies like Greece, Italy and Spain have new governments in place and have made progress towards genuine economic reform.

Even with some of these positive factors in place, we have to accept the fact that global growth in 2012 will be **tepid**. But there is a flipside to this. Softer growth means lower demand for commodities and this is likely to drive a correction in commodity prices. Lower commodity inflation will enable emerging market central banks to reverse their monetary stance. China, for instance, has already reversed its stance and has pared its reserve ratio twice. The RBI also seems poised for a reversal in its rate cycle as headline inflation seems well on its way to its target of 7 per cent for March 2012.

That said, oil might be an exception to the general trend in commodities. Rising geopolitical tensions, particularly the continuing face-off between Iran and the US, might lead to a spurt in prices. It might make sense for our oil companies to hedge this risk instead of buying oil in the spot market.

As inflation fears **abate** and emerging market central banks begin to cut rates, two things could happen. Lower commodity inflation would mean lower interest rates and better credit availability. This could set a floor to growth and slowly reverse the business cycle within these economies. Second, as the fear of untamed, runaway inflation in these economies abates, the global investor's comfort levels with their markets will increase.

Which of the **emerging** markets will outperform and who will get left behind? In an environment in which global growth is likely to be weak, economies like India that have a powerful domestic consumption dynamic should lead; those dependent

on exports should, *prima facie*, fall behind. Specifically for India, a fall in the exchange rate could not have come at a better time. It will help Indian exporters gain market share even if global trade remains depressed. More importantly, it could lead to massive import substitution that favours domestic producers.

Let's now focus on India and start with a caveat. It is important not to confuse a short-run cyclical dip with a permanent de-rating of its long-term structural potential. The arithmetic is simple. Our growth rate can be in the range of 7-10 per cent depending on policy action. Ten per cent if we get everything right, 7 per cent if we get it all wrong. Which policies and reforms are critical to taking us to our 10 per cent potential? In judging this, let's again be careful. Let's not go by the laundry list of reforms that FIIs like to wave: increase in foreign equity limits in foreign shareholding, greater voting rights for institutional shareholders in banks, FDI in retail, etc. These can have an impact only at the margin. We need not bend over backwards to appease the FIIs through these reforms - they will invest in our markets when momentum picks up and will be the first to exit when the momentum flags, reforms or not.

The reforms that we need are the ones that can actually raise output. Sustainable long-term growth rate. These have to come in areas like better targeting of subsidies, making projects in infrastructure viable so that they **draw** capital, raising the productivity of agriculture, improving healthcare and education, bringing the parallel economy under the tax net, implementing fundamental reforms in taxation like GST and the direct tax code and finally easing the **myriad** rules and regulations that make doing business in India such a nightmare. A number of these things do not require new legislation and can be done through executive order.

201. Which of the following is NOT TRUE according to the passage ?
 - (a) China's economic growth may decline in the year 2012 as compared to the year 2011
 - (b) The European economy is not doing very well
 - (c) Greece is on the verge of bringing about economic reforms
 - (d) In the year 2012, Japan may post a positive growth and thus pull out of recession
 - (e) All are true
202. Which of the following will possibly be a result of softer growth estimated for the year 2012 ?
 - (A) Prices of oil will not increase.
 - (B) Credit availability would be lesser.
 - (C) Commodity inflation would be lesser.
 - (a) Only (B)
 - (b) Only (A) and (B)
 - (c) Only (A) and (C)
 - (d) Only (C)
 - (e) All (A), (B) and (C)
203. Which of the following can be said about the present status of the US economy ?
 - (a) There is not much improvement in the economic scenario of the country from the year 2011
 - (b) The growth in the economy of the country, in the year 2012, would definitely be lesser than 1.8 percent
 - (c) The expenditure on clothes and electronic commodities, by consumers, is lesser than that in the year 2011
 - (d) There is a chance that in 2012 the economy would do better than what has been forecast
 - (e) The pace of change in the employment scenario of the country is very slow.

204. Which of the following is possibly the most appropriate title for the passage ?
- The Economic Disorder
 - Indian Economy Versus The European Economy
 - Global Trade
 - The Current Economic Scenario
 - Characteristics of The Indian Economy
205. According to the author, which of the following would characterize Indian growth scenario in 2012 ?
- Domestic producers will take a hit because of depressed global trade scenario.
 - On account of its high domestic consumption, India will lead.
 - Indian exporters will have a hard time in gaining market share.
- Only (B)
 - Only (A) and (B)
 - Only (B) and (C)
 - Only (A)
 - All (A), (B) and (C)
206. Why does the author not recommend taking up the reforms suggested by FII's ?
- These will bring about only minor growth
 - The reforms suggested will have no effect on the economy of our country, whereas will benefit the FII's significantly
 - The previous such recommendations had backfired
 - These reforms will be the sole reason for our country's economic downfall
 - The reforms suggested by them are not to be trusted as they will not bring about any positive growth in India
207. Which of the following is TRUE as per the scenario presented in the passage?
- The highest growth rate that India can expect is 7 percent
 - The fall in the exchange rate will prove beneficial to India
 - Increased FDI in retail as suggested by FIIs would benefit India tremendously
 - The reforms suggested by the author require new legislation in India
 - None is true
208. According to the author, which of the following reform/s is/are needed to ensure long term growth in India?
- Improving healthcare and educational facilities.
 - Bringing about reforms in taxation.
 - Improving agricultural productivity.
- Only (B)
 - Only (A) and (B)
 - Only (B) and (C)
 - Only (A)
 - All (A), (B) and (C)

DIRECTIONS (Qs. 209-212) : Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

209. **DRAW**
- entice
 - push
 - decoy
 - attract
 - persuade

210. **CLOCK**
- watch
 - achieve
 - time
 - second
 - regulate
211. **ABATE**
- rise
 - gear
 - hurl
 - lessen
 - retreat
212. **EMERGING**
- raising
 - developing
 - noticeable
 - conspicuous
 - uproaring

DIRECTIONS (Qs. 213-215) : Choose the word/group of words which is most opposite in meaning to the word/group of words printed in bold as used in the passage.

213. **MYRIAD**
- trivial
 - difficult
 - few
 - effortless
 - countless
214. **TEPID**
- moderate
 - high
 - warm
 - irregular
 - little
215. **MYTH**
- reality
 - belief
 - contrast
 - idealism
 - falsehood

DIRECTIONS (Qs. 216-220) : Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- If China is the world's factory, India has become the world's outsourcing centre - keeping in line with this image.
 - But India's future depends crucially on its ability to compete fully in the Creative Economy - not just in tech and software, but across design and entrepreneurship; arts, culture and entertainment; and the knowledge-based professions of medicine, finance and law.
 - While its creative assets outstrip those of other emerging competitors, India must address several challenges to increase its international competitiveness as the world is in the midst of a sweeping transformation.
 - This transformation is evident in the fact that the world is moving from an industrial economy to a Creative Economy that generates wealth by harnessing intellectual labour, intangible goods and human creative capabilities.
 - Its software industry is the world's second-largest, its tech outsourcing accounts for more than half of the \$ 300 billion global industry, according to a technology expert.
 - If the meeting of world leaders at Davos is any indication, India is rapidly becoming an economic 'rock star'.
216. Which of the following should be the SIXTH (LAST) sentence after the rearrangement ?
- A
 - B
 - C
 - D
 - E

217. Which of the following should be the THIRD sentence after the rearrangement ?
 (a) A (b) B
 (c) C (d) D
 (e) E
218. Which of the following should be the FIFTH sentence after the rearrangement ?
 (a) A (b) B
 (c) C (d) F
 (e) E
219. Which of the following should be the FIRST sentence after the rearrangement ?
 (a) F (b) B
 (c) C (d) A
 (e) E
220. Which of the following should be the SECOND sentence after the rearrangement ?
 (a) A (b) B
 (c) C (d) D
 (e) F
224. Medical teachers said that the management had continued to remain to their cause leading to the stretching of their strike.
 (A) unmoved (B) lethargic
 (C) unconcerned (D) apathetic
 (E) indifferent (F) bored
 (a) (B) and (C) (b) (C) and (F)
 (c) (A) and (E) (d) (A) and (D)
 (e) (D) and (E)
225. The parents had approached the high court to the government order after their children, who passed UKG, were denied admission by a school.
 (A) void (B) quash
 (C) annual (D) stay
 (E) lift (F) post
 (a) (A) and (D) (b) (B) and (C)
 (c) (C) and (E) (d) (E) and (F)
 (e) (C) and (D)

DIRECTIONS (Qs. 221-225) : The following questions consist of a single sentence with one blank only. You are given six words denoted by A, B, C, D, E & F as answer choices and from the six choices you have to pick two correct answers, either of which will make the sentence meaningfully complete.

221. _____ before the clock struck 8 on Saturday night, India Gate was swamped with people wearing black tee-shirts and holding candles.
 (A) Minutes (B) Time
 (C) Later (D) Quickly
 (E) Since (F) Seconds
 (a) (B) and (E) (b) (A) and (C)
 (c) (A) and (F) (d) (B) and (D)
 (e) (C) and (E)
222. The Stales should take steps to the process of teachers' appointments as the Centre has already sanctioned six lakh posts.
 (A) fasten (B) move
 (C) hasten (D) speed
 (E) early (F) quicken
 (a) (D) and (F) (b) (A) and (C)
 (c) (C) and (F) (d) (D) and (E)
 (e) (B) and (D)
223. A senior citizen's son threatened her every day and physically harmed her, forcing her to transfer her properly to him.
 (A) superficially (B) mistakenly
 (C) allegedly (D) miserably
 (E) doubtfully (F) purportedly
 (a) (C) and (F) (b) (A) and (E)
 (c) (C) and (E) (d) (D) and (F)
 (e) (A) and (C)
226. The Government has asked individuals /
 (a)
 with income of over 110 lakhs to /
 (b)
 electronic file tax returns for the year 2011 -12, /
 (c)
 something which was optional till last year. No error
 (d) (e)
227. The power tariff had already / been increased twice in /
 (a) (b)
 the last 15 months and the Electricity Board had also /
 (c)
 levied additional monthly charges to consumers.
 (d)
 No error
 (e)
228. Despite of curfew / in some areas, minor /
 (a) (b)
 communal incidents were reported /
 (c)
 from different areas of the walled city. No error
 (d) (e)

229. This comes / at a time / when fund allocation /
(a) (b) (c)

is been doubled. / No error
(d) (e)

230. As the prison will get /
(a)

an official telephone facility soon, the prisoners /
(b)

wont have to make calls in discreet manner
(c)

through smuggled mobile phones. / No error
(d) (e)

231. The area was plunged into / darkness mid a wave of /
(a) (b)

cheering and shouting / slogans like 'Save The Earth'. /
(c) (d)

No error
(e)

232. The poll contestants approached /
(a)

the commission complaining that the hoardings /
(b)

violated the code of conduct /
(c)

and influenced public perception. / No error
(d) (e)

233. The country has / adequate laws but problems /
(a) (b)

arise when these are not /
(c)

implemented in letter and spirit. / No error
(d) (e)

234. The Management feels that /
(a)

the employees of the organisation are /
(b)

non-productive, and do not want / to work hard. /
(c) (d)

No error
(e)

235. As far the issue of land encroachment /
(a)

in villages is concerned, people will /
(b)

have to make a start from their villages by /
(c)

sensitising and educating the villagers about this issue.
(d)

No error
(e)

DIRECTIONS (Qs. 236-240) : Which of the phrases (a), (b), (c) and (d) given below each sentence should replace the word/ phrase printed in bold in the sentence to make it grammatically correct ? If the sentence is correct as it is given and no correction is required, mark (e) as the answer.

236. US secretary of state made it clear that time **running out** for diplomacy over Iran's nuclear programme and said that talks aimed at preventing Tehran from acquiring a nuclear weapon would resume in April.

- (a) runs out (b) was running out
(c) ran out (d) run
(e) No correction required

237. While the war of the generals **rage on**, somewhere in small town India, wonderful things are happening, quietly and minus fanfare.

- (a) rage (b) raging
(c) rages on (d) raged on
(e) No correction required

238. According to WWF, the small island nation of Samoa was **the first in switch off** its lights for Earth Hour.

- (a) first to switch of (b) the first to switch off
(c) the first of switch off (d) first in switch of
(e) No correction required

239. The campaign is significant **because not just** the youths are directly appealing to the world but because their efforts challenge the chimera of normalcy in the area.

- (a) not just because (b) just not because
(c) not just (d) because just
(e) No correction required

240. The doctor's association has threatened to go on indefinite strike **support of** their teachers.

- (a) on supporting to (b) to supporting
(c) for support (d) in support of
(e) No correction required

DIRECTIONS (Qs. 241-250) : *In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words/phrases are suggested, one of which fits the blank appropriately. Find out the appropriate word/phrase in each case.*

Greenhouse gases are only (241) of the story when it comes to global warming. Changes to one part of the climate system can (242) additional changes to the way the planet absorbs or reflects energy. These secondary changes are (243) climate feedback's, and they could more than double the amount of warming caused by carbon dioxide alone. The primary feedback are (244) to snow and ice, water vapour, clouds, and the carbon cycle.

The most well (245) feedback comes from melting snow and ice in the Northern Hemisphere. Warming temperatures are already (246) a growing percentage of Arctic sea ice, exposing dark ocean water during the (247) sunlight of summer. Snow cover on land is also (248) in many areas. In the (249) of snow and ice, these areas go from having bright, sunlight-reflecting surfaces that cool the planet to having dark, sunlight-absorbing surfaces that (250) more energy into the Earth system and cause more warming.

241. (a) whole (b) part
(c) material (d) issue
(e) most
242. (a) raise (b) brings
(c) refer (d) stop
(e) cause

243. (a) sensed (b) called
(c) nothing (d) but
(e) term
244. (a) due (b) results
(c) reason (d) those
(e) because
245. (a) done (b) known
(c) ruled (d) bestowed
(e) said
246. (a) mastering (b) sending
(c) melting (d) calming
(e) increasing
247. (a) make-shift (b) ceasing
(c) troubled (d) perpetual
(e) absent
248. (a) dwindling (b) manufactured
(c) descending (d) generating
(e) supplied
249. (a) progress (b) reduced
(c) existence (d) midst
(e) absence
250. (a) repel (b) waft
(c) monitor (d) bring
(e) access

Descriptive Test

Time : 60 min.**Max. Marks : 50**

1. **Write a letter on any one of the following topics :** (15 Marks)
 - (a) Write a letter to your brother/sister explaining the significance of Census in every 10 years.
 - (b) Write a letter to the appropriate authority stating inadequate educational facility in your area.
 - (c) Write a letter to the editor of a newspaper sharing the significant role of a common citizen action to influence development in your area.
2. **Write an article of 250 words on any of the following topic :** (20 Marks)
 - (a) The growth of Banks in India
 - (b) The green initiative of big business houses
 - (c) Micro-finance in India
3. **Write a precise of the following passage and also give a suitable title to it.** (15 Marks)

Even as the debate rages on whether poverty measurement in the country is accurate, a recent report on nutritional intake of individuals has come up with a chilling conclusion: two thirds of the country's population is eating less than what is required.

Even more worrying is that this trend continues despite a healthy economic growth rate over several years, and despite several mega programmes of nutrition delivery to children. Experts believe that this can only indicate widespread hunger and malnutrition, consequences of rampant poverty. Nutritional intake is measured in terms of calorific value of food consumed.

This has shockingly declined from 2,153 Kcal per person per day in 1993-94 to 2020 in 2009-10 in rural areas and from 2,071 to 1,946 Kcal in urban areas according to the report of the National Sample Survey Organisation (NSSO), based on its 66th survey round. Even between 2004-05 and 2009-10, calorie intake per person per day dipped from 2,047 to 2,020 in rural areas and from 2,020 to 1946 in urban areas. This may raise questions about reported decline in poverty as claimed by the Planning Commission.

The Planning Commission had adopted 2,400 Kcal (rural) and 2,100 Kcal (urban) as the minimum daily requirement norm.

What about protein consumption, which is higher in affluent societies because more meat, eggs, fish and milk is consumed? According to the NSSO report, protein consumption too has fallen from 60.2g to 55g per person per day in rural areas and from 57.2g to 53.5g in the urban areas between 1993-94 and 2009-10.

The decline is across the board, but is sharpest in rural areas of Rajasthan, Haryana, UP and Punjab — where intake has fallen by 9-12g per person per day.

Fat consumption has risen by about 7g in rural and 6g in urban areas over this 16-year period in all major states. Average daily fat consumption per person was 38g in rural areas and about 48g in urban areas. These are averages over the whole population.

In reality, the situation is much more dire for the poor. About 90% of the poorest tenth of the population in both urban and rural areas consume food that gives them less than just 2,160 Kcal. Average calorie intake among the poorest tenth of the population is just 1,619 Kcal in rural areas and 1,584 Kcal in urban areas, reveals the NSSO report. The richest 10% of the population consumes 2,922 Kcal in rural areas and 2,855 Kcal in urban on an average.

Solution of Descriptive Test

LETTERWRITING

1. (a) Letter to brother

5/11, JANAK PURI
NEW DELHI-110058
18 January, 2013

Ramesh
DIT Hostel, Block 2
Dehradun

Sub.: Significance of Census in every 10 years

Dear brother,

Hope this letter finds you in the best of health. Today, I am writing you this letter to discuss about the significance of Census in every 10 years. However, before discussing the significance, I would like to give you a brief idea about what census means. A census in simple terms is the procedure of systematically acquiring and recording information about the members of a given population. The term is used mostly in connection with national population and housing censuses.

Census data is commonly used for research, business marketing, and planning, as well as a baseline for sampling surveys. Census data offer a unique insight into small areas and small demographic groups which sample data would be unable to capture with precision.

It is majorly because of these census data that the government is able to formulate and implement policies for national welfare. Over the years, the government has been able to overcome ruinous problems like population, lack of basic amenities due to the collection of census only.

Moreover, the census also gives an insight to the success of policies that have been implemented by the government. The new policy/program started by government of providing Unique Identity (UID) or as we popularly know it as AADHAR card has been a success to a large extend because of census data.

Census also is an important tool in measuring the development of the country in economic terms. It gives a picture about how a particular nation has experienced growth as well as development over the years.

In addition to this, census also has an important role in providing basic amenities like for schooling and welfare, roadways, transport etc. It is also possible for central government to allocate funding on the basis of census data.

In a nutshell, census is a report card of a nation reflecting its performance over years. Therefore, I would suggest you to always provide with a true data about you, your family, income etc whenever being asked for.

Best Regards,
Yukti

1. (b) Letter to Education Minister

144/13 Street no.-1,
Tughlakabad Extention
New Delhi -110019
28 Jan. 2013

The Education Minister
Govt. of Delhi
602, Delhi Secretariate
New Delhi-110002

Sub.: Inadequate educational facility in our area

Sir,

I write to you to express my concern about inadequate educational facility in our area. Education as we all understand is an important aspect of the development of an individual. However, both students and teachers are suffering due to lack of facilities.

The facilities lacking are infrastructure, teachers and administration. Due to this, adverse impact is observed on students and teachers as well. The lack of fine physical structure includes decaying environmental conditions such as peeling paint, crumbling plaster, non functioning toilets, poor lighting, and inadequate ventilation in classrooms. The students do not have the spirit to come to the school as the atmosphere is depressing and has affected the health of students as well. Moreover, a dip is observed in the academic performance of the students because of such appalling infrastructure.

The teachers too are not able to work efficiently in these conditions. The inadequate facilities have an adverse impact on teacher morale, sense of personal safety, feelings of effectiveness in the classroom. Absenteeism is observed not just among students but teachers as well.

Due to lack of accurate administration there are overcrowded classrooms. As a result, students find themselves trying to learn while jammed into spaces such as classrooms, libraries, laboratories and even lunch rooms.

In totality the entire teaching learning process has failed to achieve its goal.

Therefore, I request you to look in the matter and provide support that shall enhance the educational set up and thereby positively shaping the lives of students and teachers as well.

Thanking you

Best regards,
Ram Singh

1. (c)
144/13 sector-1,
Pushp Vihar,
New Delhi -110017
23 Jan, 2013

The Editor
The Hindustan times
18, KG Marg, New Delhi

**Sub.: Role of common citizen to influence
development in their area**

Dear Editor,

I write to you share the significant role of a common citizen action to influence development in our area. Our area lacks important facilities like lack of proper parking space, playgrounds for children, recreational sports etc. Due to this, the residents of our area are facing inconvenience on daily basis.

I would urge you to publish the contact details of important people in our area. Through these details we shall know whom to approach to express our concerns. Moreover, we shall also be able to get matters resolved in such a way that the basic facilities are provided to all.

Moreover, I also urge you to write about the basic rights and duties of citizens so that people become aware of the same. The awareness about these shall not only help in the development of an individual but also nation at large.

Thanking you

Yours sincerely
Mahesh Kumar with all citizen of Pushp Vihar colony

ARTICLE WRITING

2. (a)

The Growth of Banks in India

Banks today is one of the most trusted institutions and a leading sector of customer satisfaction. The growth of Banks in India can be understood under three categories—

(1) Pre-Independence

(2) Post independence

(3) Current period & Role of Technology

(1) Pre-Independence : Banking in India in the modern sense originated in the last decades of the 18th century. The first banks were 'The General Bank of India' which started in 1786, and Bank of Hindustan, which started in 1770. The oldest bank still in existence in India is the State Bank of India, which originated in the Bank of Calcutta in June 1806.

(2) Post-Independence : The major steps to regulate banking included:

The Reserve Bank of India, India's central banking authority, was established in April 1935, but was nationalized on January 1, 1949 under the terms of the Reserve Bank of India (Transfer to Public Ownership) Act, 1948.

The policy of nationalisation of Banks brought all banks under the supervision of RBI. This allowed the customers to have faith in banks.

(3) Current period & Role of Technology : By 2010, banking in India was generally fairly mature in terms of supply, product range and reach-even though reach in rural India still remains a challenge for the private sector banks. In terms of quality of assets and capital adequacy, Indian banks are considered to have transparent balance sheets. The Reserve Bank of India is an autonomous body, with minimal pressure from the government.

Adoption of computers in banking sector :

The IT revolution had a great impact in the Indian banking system. The use of computers had led to introduction of online banking in India.

With the discussion above, it is very clear that Banking sector has grown into leaps and bounds in terms of investment and contribution to the economy along with providing satisfaction to the customers.

2. (b)

The Green initiative of big business houses

The phrase 'Going Green' has a great demand in the current scenario and a hot topic of discussion, wherever it is a matter of green technologies or the enterprises that are build with such a motto that gives a clear definition of the concern for the environment.

At one point of time there was a debate about the business scope and investment opportunities that comes from green project. From the organizational and business management context going green also comes as a means, which is addressed in the format of the strategic management process for firms in the competitive environment, and their corporate social responsibilities are positive developments and a good measure for a cause.

Since the go green movement began, companies held the power to change their policies and begin a path towards environmentally friendly business practices. Many companies have changed their policies and managed to even save money while doing so.

Bank of America adopted several company policies, reducing its paper waste by 32% despite growth in their customer base. Bank of America also created an internal recycling program that recycles 30,000 tons of paper each year, which saves about 200,000 trees each year.

The trend towards going green is extending beyond the most obvious polluters, and reaching companies ranging from big firms to technology mainstays.

Hence, it is very clear that the role played by Big business houses in go green project is worth appreciating. Moreover, it has been these big business houses that have provided a great support and platform for the go green project.

2. (c)

Micro-finance in India

To understand the concept of Micro-finance, the history about it should be known. Tracing the history of micro-finance in India, it is known that traditionally, banks have not provided financial services, such as loans, to clients with little or no cash income. Banks incur substantial costs to manage a client account, regardless of how small the sums of money involved. Therefore, small entrepreneurs face immense difficulty in getting loans.

Literally speaking, micro-finance services are the financial services aimed towards the development of poor. These services span across credit, savings, insurance, fund transfers etc and are basically pointed towards making money available to the poor for their emancipation.

The poor in India basically consists of farmers, weavers and other small businessmen who form the very basis of our survival due to their contribution to the economy. However, these people are badly hit due to the non-availability of funds which, in the long term, does affect the economy. Moreover, private lenders have been long known to exploit the poor for their own good. So, there is a need to make credit facilities available to them at nominal interest rates to ensure their development.

In India, micro-finance programs typically have at least three common characteristics: women centricity, non-profit approach and rural focus. Studies have shown that micro-finance help the poor to increase income through investments in agriculture and small businesses and enables the poor, especially women. Till now, its success and spread in India has been limited to the South Indian states. Some of the microfinance institutions (MFIs) financed by banks or acting as their intermediaries or partners appear to be focusing on relatively better banked areas. Micro-finance institutions are trying to reach out to the poor, resulting in multiple lending and overburdening of rural households.

Recently, micro-finance has come under fire in the state of Andhra Pradesh due to allegations of MFIs using coercive recollection practices and charging heavy interest rates. These charges resulted in the state government's passing of the Andhra Pradesh Micro-finance Ordinance on October 15, 2010. The Ordinance requires MFIs to register with the state government

As such, to improve the situation, the micro-finance institutions will have to look towards innovative methods to increase the reach of micro credit.

PRECISE WRITING

3.

The reality of healthy economic growth rate

A recent report on nutritional intake of individuals has come up with a shocking conclusion that two thirds of the country's population is eating less than what is required. This report has been a contradiction to the claims made about healthy economic growth rate over several years.

In addition this has also shown a failure of various programmes carried out by government about the importance of nutrition delivery to children.

This catastrophic situation is likely to create widespread hunger and malnutrition.

Answers & Explanations

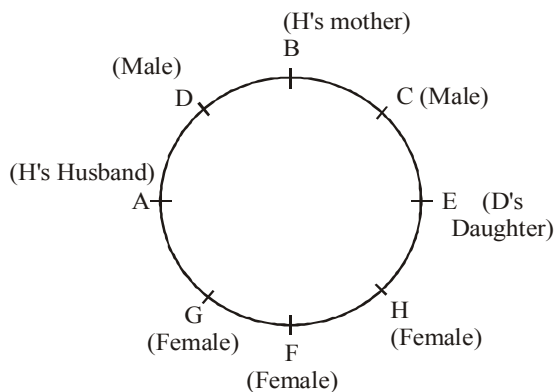
REASONING ABILITY

(1-4):

Input :	84	why	sit	14	32	not	best	ink	feet	51	27	vain	68	92
Step I :	14	84	why	sit	32	not	ink	feet	51	27	vain	68	92	best
Step II :	27	14	84	why	sit	32	not	ink	51	vain	68	92	best	feet
Step III :	32	27	14	84	why	sit	not	51	vain	68	92	best	feet	ink
Step IV :	51	32	27	14	84	why	sit	vain	68	92	best	feet	ink	not
Step V :	68	51	32	27	14	84	why	vain	92	best	feet	ink	not	sit
Step VI :	84	68	51	32	27	14	why	92	best	feet	ink	not	sit	vain
Step VII :	92	84	68	51	32	27	14	best	feet	ink	not	sit	vain	why

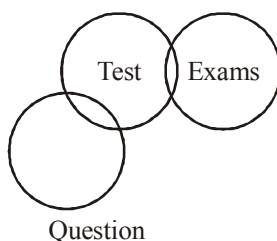
- (e) There is no such step.
- (d) The word 'best' is at the fifth position from the right in Step V.
- (b) There are three elements - 27, 14 and best - between 'feet' and '32' in the last step of the output.
- (c) The word 'why' is sixth from the left and ninth from the right in the Step IV.

5-11.

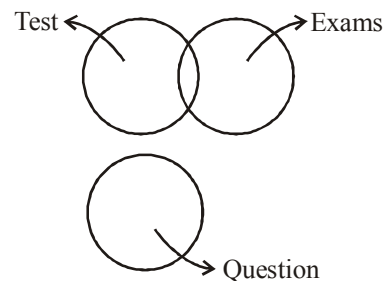


- (d) A's wife is H. H's mother is B. Therefore, B is the mother-in-law of A, A is second to the right of B.
- (c) E is the daughter of D.
- (b) A is the father of F and G. G is the mother of C. Therefore, C is the grandchild of A. A is third to the right of C.
- (a) D is brother-in-law of A. A is father of F and G. Therefore, D is maternal uncle of G. There is only one person between G and D in clockwise direction.
- (b) Except C, all others are females.
- (e) B is the mother of H. C is the nephew of E, A is the husband of H, A is third to the left of H, Both the neighbours of C are females, F and G are daughters of H.
- (a) B sits to the immediate left of C. B is grandmother of F.

12. (d)

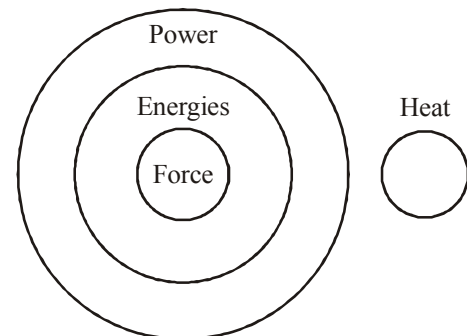


OR



Conclusion I : False
Conclusion II : False

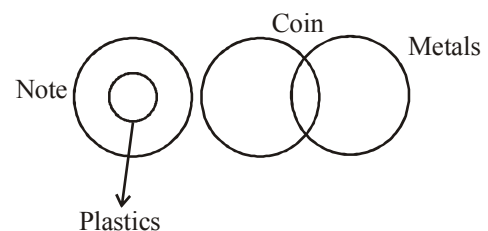
13-14.



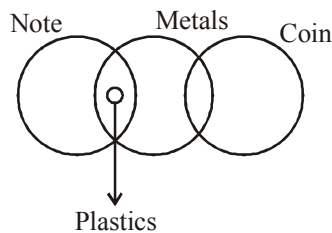
- (b) Conclusion I : False
Conclusion II : True

- (a) Conclusion I : True
Conclusion II : False

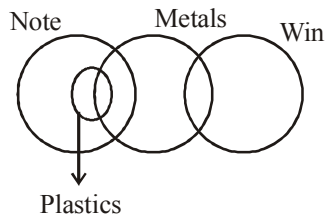
15-16.



OR

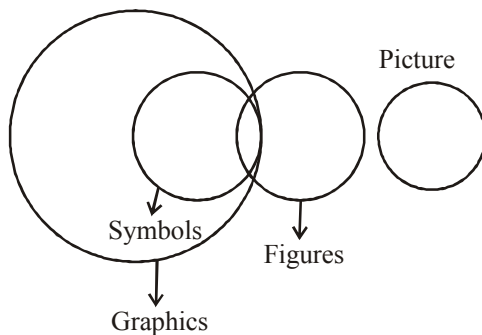


OR

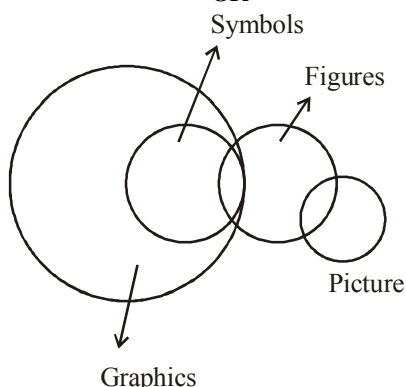


15. (e) **Conclusion I : True**
Conclusion II: True
16. (d) **Conclusion I : False**
Conclusion II : False

17. (e)

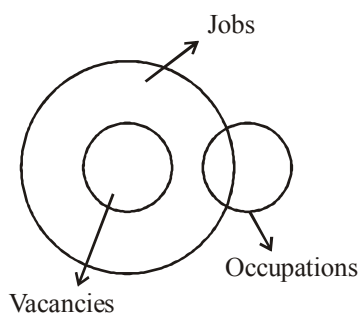


OR

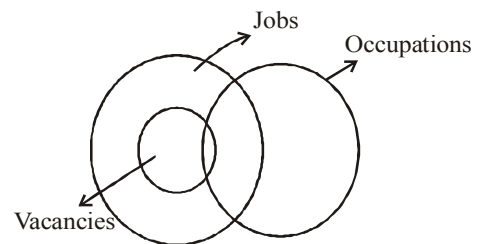


Conclusion I : True
Conclusion II : True

18. (d)



OR

**Conclusion I : False****Conclusion II : False**

19-21.

B, D, F > C > A, E

B > D > F > C > A, E

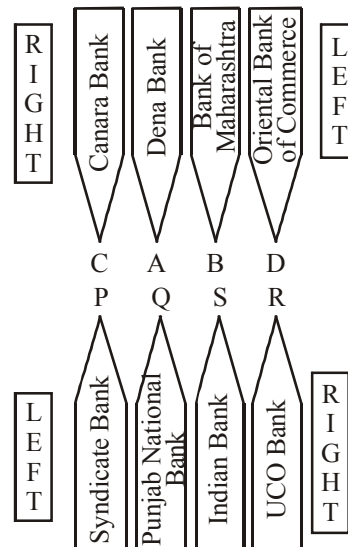
B > D > F > C > E > A

Score of F = 81

Score of E = 62

19. (a) C scored more than 62 and less than 81.
 $62 < 70 < 81$
20. (e) D's score was more than 81.
 B scored the maximum marks.
 Three people, B, D and F scored more than C.
 B scored more than 81 marks.
21. (c) Score of F = 81
 Score of B = $81 + 13 = 94$
 Therefore, score of D = more than 81 and less than 94
 $81 < 89 < 94$

22 - 29.



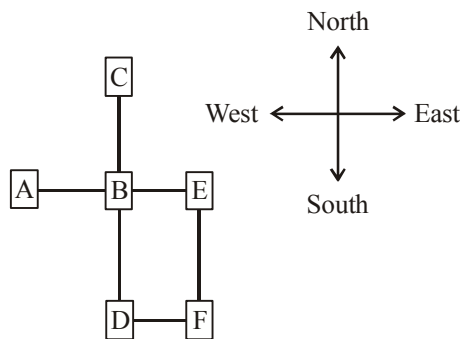
22. (b) The person from Punjab National Bank, Q faces A. B is from Bank of Maharashtra and he is a immediate neighbour of A. A faces of person who sits second to the left of R. A is from Dena Bank. A sits third from the left and second from the right.
23. (e) S is seated between R and Q, the person from Punjab National Bank.
24. (d) Persons at the extreme ends : C from Canara Bank; D from Oriental Bank of Commerce; P from Syndicate Bank; R from UCO Bank.
25. (a) S from Indian Bank faces B from Bank of Maharashtra.
26. (d) P faces the immediate neighbour of A from Dena Bank. B faces the immediate neighbour of Q from Punjab National Bank. Similarly, D faces immediate neighbour of S from Indian Bank.
27. (d) Except Q, all others are seated at the extreme ends of

the lines.

28. (c) P is from Syndicate Bank.
 29. (e) C is from Canara Bank.
 30. (e) From statements I, II and III

Floor No.	Person
6	P
5	T
4	R
3	S
2	Q
1	V

31. (b) From statements I and III
 1 2 3 4 5 6
 A S E
 A N S W E R
 32. (b) From statements I and III



33. (e) From Statements I and II

one of (its) kind → zo pi ko (fe)
 in kind and cash → ga to ru ko
 (its) point for origin → ba je (fe) mi
 make a point clear → yu si mi de

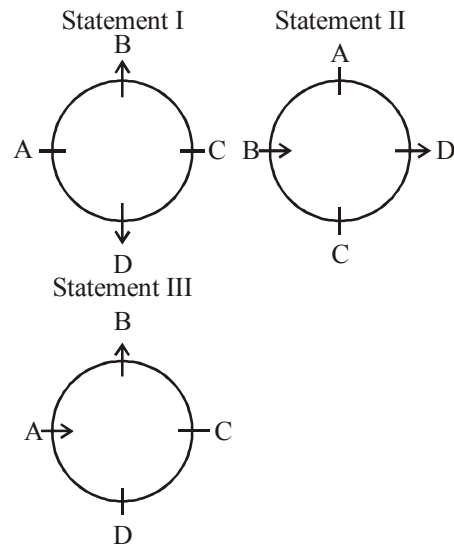
From statements I and III.

one (of) its kind → (zo) pi ko fe
 in kind and cash → ga to ru ko
 make money and cash → to mi ru hy
 money (of) various kind → qu ko (zo) hy

From statements I, II and III

one (of) its kind → (zo) pi ko (fe)
 in kind and cash → ga to ru ko
 (its) point for origin → ba le (fe) mi
 make a point clear → yu si mi de
 make money and cash → to mi ru hy
 money (of) various kind → qu ko (zo) hy

34. (d)

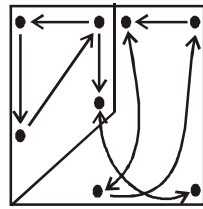
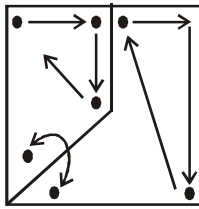


35. (b) It is clear from the statement that a farm's areas for organic and chemical farming are different.
 36. (c) There is a perception among small brands that sale in a supermarket is higher than that of small grocery stores.
 37. (e) The statement clearly implies that smaller brands are currently making substantial losses in their businesses. Consider the term "troubled waters".
 38. (b) Statement (C) represents a disadvantage of the small grocery stores over the Supermarkets from the perspective of a smaller brand. Small grocery stores do not help in distribution of any brand.
 39. (c) Statement (D) represents a reason for the shift from local grocery stores of supermarkets by the smaller brands.
 40. (a) Statement (A) will prove that step taken by the smaller brands may not necessarily be correct.
 41. (d) In the subsequent figures two and three designs are inverted alternately. From problems Figure (1) to (2) the first and the second designs from the top interchange positions and the lowermost design moves to the middle position. From problem Figure (2) and (3) the lowermost design moves to the top and the second design from the top moves to the lowermost position while the third and the fourth designs interchange positions. From problem Figure (3) to (4) the top most and the lowermost designs interchange positions and the fourth design moves to the second position. From Problem Figure (4) to (5) the topmost design moves to the fourth position, the lowermost design moves to the topmost position while the second and the third designs interchange positions. Therefore, from problem Figure (5) to Answer Figure the third and the fourth designs would interchange positions and would be inverted, the lowermost design would move to the top position and the second design from the top would move to the lowermost position.

42. (a) The following changes occur in the subsequent figures:

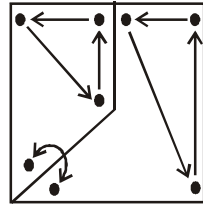
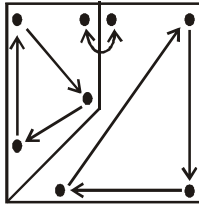
(1) to (2)

(2) to (3)

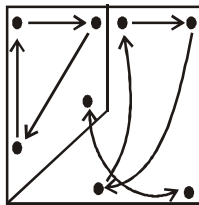


(3) to (4)

(4) to (5)



(5) to (6)



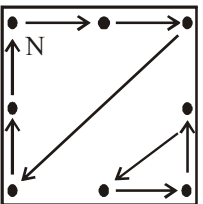
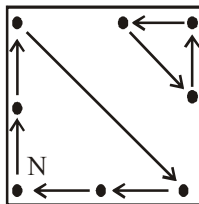
43. (d) From problem Figure (1) to (2) and from problem Figure (5) to Answer Figure the smaller square with four designs moves two steps in anticlockwise direction and the designs in each row interchange positions. The other three designs move two steps in clockwise direction.

44. (c) The following changes occur in the subsequent figures:

(1) to (2)

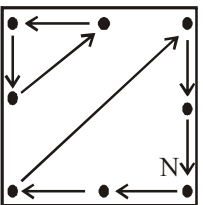
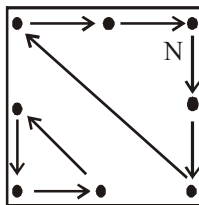
(2) to (3)

(5) to (6)



(3) to (4)

(4) to (5)



45. (b) From problem Figure (1) to (2) the plane of designs rotates through 90° clockwise and the second and the fifth designs interchange positions. Similarly, the third and the fourth designs interchange positions. Similar changes occur from Problem Figure (3) to (4) and from problem figure (5) to Answer Figure.

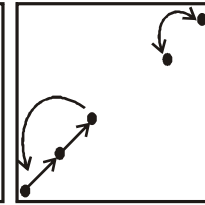
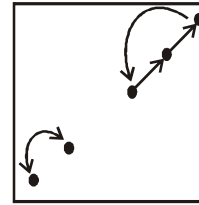
46. (d) The following changes occur in the subsequent figures:

(1) to (2)

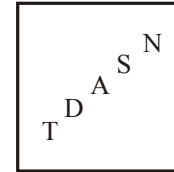
(2) to (3)

(3) to (4)

(4) to (5)



In Figure (4) the arrangement of designs would be as follows:)



47. (e) The line segment with cross rotates respectively through $45^\circ, 90^\circ, 135^\circ, 180^\circ \dots$ in clockwise direction.
48. (d) In each subsequent figure the designs move in clockwise direction and the number of designs at a particular position is fixed. Again, a new design appears at the lower right side. In figure (4), there should be design (L) in the place of circle at the lower right side.
49. (e) In the subsequent figures respectively one, two, three, four ..., curves are inverted in a set order. In Figure (5) five curves have been inverted.
50. (a) In the first step the outer part of upper design moves inside the lower design and new designs appear at the upper and lower positions. In the second step, the outer part of lower design moves inside the upper design and new designs appear at both the upper and lower positions. In Figure (1) there should be another design at the lower side.

QUANTITATIVE APTITUDE

51. (d) $4003 \times 77 - 21015 = ? \times 116$
 $\Rightarrow 308231 - 21015 = ? \times 116 \Rightarrow 287216 = ? \times 116$
 $\Rightarrow ? = \frac{287216}{116} = 2476$
52. (a) $[(5\sqrt{7} + \sqrt{7}) \times (4\sqrt{7} + 8\sqrt{7})] - (19)^2 = ?$
 $\Rightarrow (6\sqrt{7} \times 12\sqrt{7}) - (361) = ?$
 $\Rightarrow 72 \times \sqrt{7} \times \sqrt{7} - 361 = ?$
 $\therefore ? = 504 - 361 = 143$
53. (b) $(4444 \div 40) + (645 \div 25) + (3991 \div 26) = ?$
 $\Rightarrow ? = (111.1) + (25.8) + (153.5) \Rightarrow ? = 290.4$
54. (e) $\sqrt{33124} \times \sqrt{2601} - (83)^2 = (?)^2 (37)^2$
 $\Rightarrow (?)^2 = \sqrt{33124} \times \sqrt{2601} - (83)^2 - (37)^2$
 $\Rightarrow (?)^2 = 182 \times 51 - 6889 - 1369$
 $\Rightarrow (?)^2 = 9282 - 6889 - 1369$

$$\Rightarrow (?)^2 = 1024$$

$$\therefore ? = \sqrt{1024} = 32$$

$$55. (b) 5\frac{17}{37} \times 4\frac{51}{52} \times 11\frac{1}{7} + 2\frac{3}{4} = ?$$

$$\Rightarrow \left(\frac{202}{37} \times \frac{259}{52} \times \frac{78}{7} \right) + \left(\frac{11}{4} \right) = ?$$

$$\Rightarrow 303 + \frac{11}{4} = ?$$

$$\therefore ? = \frac{1223}{4} = 305.75$$

$$56. (c) 8787 \div 343 \times \sqrt{50} = ?$$

$$\Rightarrow 25 \times 7 = ?$$

$$\therefore ? = 175 \approx 180$$

$$57. (b) \sqrt[3]{54821} \times (303 \div 8) = (?)^2$$

$$\Rightarrow 38 \times 37.5 (?)^2$$

$$? = \sqrt{38 \times 38}$$

$$? = 38$$

$$58. (c) \frac{5}{8} \text{ of } 4011.33 + \frac{7}{10} \text{ of } 3411.22 = ?$$

$$\Rightarrow \frac{5}{8} \times 4010 + \frac{7}{10} \times 3410 \Rightarrow 2506 + 2387$$

$$\Rightarrow 4893 \approx 4890$$

$$59. (e) 23\% \text{ of } 6783 + 57\% \text{ of } 8431 = ?$$

$$\Rightarrow ? = 1559 + 4805$$

$$\therefore ? = 6364 \approx 6360$$

$$60. (a) 335.01 \times 244.99 \div 55$$

$$\Rightarrow ? = \frac{335 \times 245}{55}$$

$$\therefore ? = 1492 \approx 1490$$

61. (a) The given number series is based on the following pattern:

$$\begin{array}{ccccccc} 5555 & & & & & & \\ \boxed{5531} & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 5506 & 5425 & 5304 & 5135 & 4910 & 4621 & \\ - (7)^2 & - (9)^2 & - (11)^2 & - (13)^2 & - (15)^2 & - (17)^2 & \end{array}$$

Hence, the number 5531 is wrong and it should be replaced by 5555.

62. (b) The given number series is based on the following pattern:

$$\begin{array}{ccccccc} 6 & & & & & & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 7 & 9 & 13 & 21 & 37 & 69 & \\ \times 2-5 & \times 2-5 & \times 2-5 & \times 2-5 & \times 2-5 & \times 2-5 & \end{array}$$

Hence, the number 26 is wrong and it should be replaced by 21.

63. (d) The given number series is based on the following pattern:

$$\begin{array}{ccccccc} 1 & & & & & & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 3 & 10 & 36 & 152 & 770 & 4532 & \\ \times 1+2 & \times 2+4 & \times 3+6 & \times 4+8 & \times 5+10 & \times 6+12 & \end{array}$$

Hence, the number 760 is wrong and it should be replaced by 770.

64. (e) The given series is
 $\times 0.5 + 0.5, \times 1 + 1, \times 1.5 + 1.5,$
 $\times 2 + 2, \times 2.5 + 2.5, \times 3 + 3$

65. (a) The given number series is based on the following pattern:

$$\begin{array}{ccccccc} 157.5 & & & & & & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 45 & 15 & 6 & 3 & 2 & 1 & \\ \div 3.5 & \div 3 & \div 2.5 & \div 2 & \div 1.5 & \div 1 & \end{array}$$

Hence the number 1 is wrong and it should be replaced by 2.

66-70.

Day 1				Day 2		
Vehicle	Time in hr	Distance in km	Speed in km/hr	Time in hr	Distance in km	Speed in km/hr
A	16	832	52	16	864	54
B	12	516	43	18	774	43
C	11	693	63	18	810	45
D	12	552	46	15	765	51
E	16	935	58.4	14	546	39
F	19	703	37	12	636	53

66. (d) Vehicle B.

67. (c) Speed of vehicle A on day 1 = 52 km/hr

Speed of vehicle C on day 1 = 63 km/hr

Difference = 63 - 52 = 11 km/hr

68. (e) Speed of vehicle can day 2 = 45 km/hr

$$\Rightarrow \left(45 \times \frac{5}{18} \right) \text{ m/sec} = 12.5 \text{ m/sec}$$

69. (e) Percentage

$$= \frac{\text{Distance travelled by vehicle F on day 2}}{\text{Distance travelled by vehicle F on day 1}} \times 100$$

$$= \frac{636}{703} \times 100 \approx \frac{630}{700} \times 100 \approx 90\%$$

70. (b) Speed of vehicle D on day 2 = 51

Speed of vehicle E on day 2 = 39

$$\text{Required ratio} = \frac{51}{39} = \frac{17}{13} \text{ or } 17:13$$

71. (a) Article purchased = ₹ 78350

$$\text{Marked price} = ₹ \left(78350 \times \frac{130}{100} \right) = ₹ 101855$$

After Discount Price of Article

$$= ₹ \left(101855 \times \frac{80}{100} \right) = ₹ 81484$$

$$\text{Profit Percentage} = \frac{\text{Profit}}{\text{Cost Price}} \times 100$$

$$\Rightarrow \frac{81484 - 78350}{81484} \times 100 = 3.8 \approx 4\%$$

72. (e) $9, 15, 27$
 $9 - x, 15 - x, 27 - x$

$$\frac{15 - x}{9 - x} = \frac{27 - x}{15 - x}$$

$$\Rightarrow (15 - x)^2 = (27 - x)(9 - x)$$

$$\Rightarrow 225 + x^2 - 30x = 243 - 9x - 27x + x^2$$

$$\Rightarrow -30x + 9x + 27x = 243 - 225$$

$$\Rightarrow 6x = 18 \Rightarrow x = 3$$

73. (b) Required difference = $P \left(\frac{R}{100} \right)^2$

$$= 7300 \times \left(\frac{6}{100} \right)^2 = ₹ 26.28$$

74. (e) Let the numbers are $x, x + 1, x + 2$
 sum of three consecutive numbers = 2262
 $x + x + 1 + x + 2 = 2262$
 $3x + 3 = 2262$
 $3x = 2259$
 $x = 753$
 Number are 753, 754, 755
 $\therefore 41\%$ of 755 = 309.55

75. (d) No. of vowels in the word THERAPY
 = 2 i.e. E and A
 In such cases we treat the group of two vowels as one entity or one letter because they are supposed to always come together. Thus, the problem reduces to arranging 6 letters i.e. T, H, R, P, Y and EA in 6 vacant places.
 No. of ways 6 letters can be arranged in 6 places = $6!$
 $= 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 720$
 But the vowels can be arranged themselves in 2 different ways by interchanging their position. Hence, each of the above 720 arrangements can be written in 2 ways.
 $\therefore$ Required no. of total arrangements when two vowels are together = $720 \times 2 = 1440$
 Total no. of arrangements of THERAPY = $7!$
 $= 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 5040$
 No. of arrangement when vowels do not come together = $5040 - 1440 = 3600$

76-80.

	Total number of Mobiles Sold	Total Number of Mobiles Sold of Company A	Total Number of Mobiles Sold of Company B
July	7650	4080	3570
August	9900	4400	5500
September	11250	6750	4500
October	3600	2100	1500
November	5400	2520	2880
December	7200	3150	4050

76. (c) Number of mobiles sold of company B in July = 3570
 Number of mobiles sold of company B in December = 4050

$$\text{Required Ratio} = 3570 : 4050 = 119 : 135$$

77. (c) Total mobiles sold by company A during November = 2520
 Total mobiles sold by this company at discount = 35% of 2520 = 882
 Total mobiles sold by company A without discount = $2520 - 882 = 1638$

78. (d) Mobile phones sold of company B during October = 1500
 Total profit earned on the mobile phones = $₹(433 \times 1500) = ₹ 6,49,500$

79. (e) Number of mobile phones sold of company A during July = 4080
 Number of mobile phones sold by company A during December = 3150

$$\text{Required percentage} = \frac{4080}{3150} \times 100 = 129.5 \approx 130\%$$

80. (a) Mobile phones sold of company B during August = 5500
 Mobile phones sold of company B during September = 4500

$$\text{Total number of mobile phones} = 5500 + 4500 = 10,000$$

81. (c) Area of customer transaction room = $23\text{m} \times 29\text{m} = 667 \text{ sq.m}$
 Area of branch manager room = $13\text{m} \times 17\text{m} = 221 \text{ sq. m}$
 Area of Pantry room = $14\text{m} \times 13\text{m} = 182 \text{ sq. m}$
 Area of Server room = $21\text{m} \times 13\text{m} = 273 \text{ sq. m}$
 Area of locker room = $29\text{m} \times 21\text{m} = 609 \text{ sq. m}$
 Total cost of wooden flooring = $₹ [(170 \times (667 + 221)) = ₹ (888 \times 170)$

$$\text{Total cost of marble flooring} = ₹ [(190 \times (182 + 273 + 609))] = ₹ (190 \times 1064)$$

$$\text{Required Ratio} = 888 \times 170 : 1064 \times 190 = 1887 : 2527$$

82. (c) Area of 4 walls and ceiling of branch managers room = $2(lh + bh) + lb = 2[17 \times 12 + 13 \times 12] + 13 \times 17 = 941 \text{ sq. m}$

$$\text{Total cost of renovating} = ₹ 190 \times 941 = ₹ 178790$$

83. (e) Total area of bank is 2000 sq. m
 Total area of bank to be renovated = 1952 sq. m
 Remaining Area = $2000 - 1952 = 48 \text{ sq. m}$
 Total cost Remaining Area to be carpeted at the rate of ₹ 110/sq. meter = $₹(48 \times 110) = ₹ 5280$

84. (b) percentage area of bank not to be renovated

$$\Rightarrow \frac{\text{Area bank not be renovated}}{\text{Total area of bank}} \Rightarrow \frac{48}{2000} \times 100 = 2.4\%$$

85. (a) Total cost of hall of customer transaction = $₹(170 \times 667) = ₹ 113,390$
 Total cost of Locker area = $₹(190 \times 609) = ₹ 115,710$
 Total cost of customer transaction hall + locker area = $₹(113390 + 115710) = ₹ 229,100$

86. (a) Let amount of B = ₹ x

$$\text{B's Share without error} = \frac{\text{B's ratio}}{\text{Total ratio}} \times \text{Total Amount}$$

$$x = \frac{3}{9} \times \text{Total Amount} \quad \dots(1)$$

$$\text{B's share after error} = \frac{\text{B's new ratio}}{\text{Total new ratio}} \times \text{Total Amount}$$

$$x - 40 = \frac{2}{14} \times \text{Total Amount} \quad \dots(2)$$

From equation (1) and (2)

$$3x = 7(x-40)$$

$$3x - 7x = -280$$

$$\therefore x = 70$$

$$\text{Total Amount} = 7(70 - 40) = ₹ 210$$

87. (c) By options

(a) Either 12 or 13

then ice-creams should not be given atleast 9. This can be rejected.

(b) Either 11 or 12

Ice-cream should be atleast 9. By this combination ice cream gets less than 9.

(c) Either 10 or 11

By giving cookies 10 or 11, we get all the possible condition fulfilled.

(d) and (e), the ice-cream distribution can be more than cookies which violates our condition.

$\therefore$ option (c) is the write answer.

88. (c) ₹[(x for first 5 km) + 13 × remaining kms] = Total pay

$$₹x + ₹ 13 \times 182 = ₹ 2402$$

$$x + 2366 = 2402$$

$$x = ₹ 36$$

89. (a) Let the even consecutive numbers are $2n-2, 2n, 2n+2$

$$(2n-2) \times (2n) \times (2n+2) = 4032 \quad \dots(1)$$

$$\text{Product of 1st even number third even number} = 252$$

$$\text{Putting this in equation} \quad \dots(1)$$

$$252 \times 2n = 4032 \Rightarrow n = 8$$

Numbers are 14, 16, 18

$$\text{Five times of 2nd number is } = 5 \times 16 = 80$$

90. (a) Let the 4 members are x_1, x_2, x_3 , daughter

Sum of 4 members five years ago

$$= x_1 + x_2 + x_3 + \text{daughter} = 94$$

After 5 years,

$$x_1 + x_2 + x_3 + \text{daughter} = 114 \quad \dots(1)$$

$$\text{daughter} + \text{daughter in law} = 92$$

$$\text{Daughter} = 92 - \text{daughter in law}$$

Put this eqn. $\dots(1)$

$$x_1 + x_2 + x_3 + 92 - \text{Daughter in law} = 114$$

$$x_1 + x_2 + x_3 = 22 + \text{Daughter in law}$$

So, the required difference is 22 years.

91. (d) No. of ways of getting 2 white balls = ${}^{13}C_2$

$$\text{No. of ways of getting 2 black balls} = {}^7C_2$$

Probability of getting 2 same colour ball

$$= \frac{\text{Probability of 2 white balls or Probability of 2 Black balls}}{\text{Total number of balls drawn}}$$

$$\Rightarrow \frac{{}^{13}C_2 + {}^7C_2}{{}^{20}C_2} \Rightarrow \frac{\frac{13!}{2! \times 11!} + \frac{7!}{2! \times 5!}}{\frac{20!}{18! \times 2!}}$$

$$\Rightarrow \frac{\frac{13 \times 12 \times 11!}{2 \times 11!} + \frac{7 \times 6 \times 5!}{2 \times 5!}}{\frac{20 \times 19 \times 18!}{18! \times 2!}} = \frac{13 \times 12 + 7 \times 6}{20 \times 19}$$

$$\Rightarrow \frac{13 \times 12 \times 11!}{2 \times 11!} + \frac{7 \times 6 \times 5!}{2 \times 5!} = \frac{13 \times 12 + 7 \times 6}{20 \times 19}$$

$$\Rightarrow \frac{198}{380} = \frac{99}{190}$$

92. (b) Marks in subject B = 56% of 150 = 84

Total marks obtained = 54 % of Total marks

$$= \frac{54}{100} \times 450 \quad [\because \text{Maximum marks in each subject is 150}]$$

$$= 243$$

$$\text{Total marks obtained} = A + B + C$$

$$243 = 73 + 84 + X$$

$$X = 86$$

93. (d) Area of square = 1444 sq. meters

$$\text{Side of square} = \sqrt{1444} = 38 \text{ m}$$

$$\text{Breadth of Rectangle} = \frac{1}{4} \times \text{side of square}$$

$$\Rightarrow \frac{1}{4} \times 38 = 9.5 \text{ m}$$

$$\text{Length of Rectangle} \Rightarrow 3 \times \text{breadth}$$

$$\Rightarrow 3 \times 9.5 \Rightarrow 28.5 \text{ m}$$

$$\text{Area of Rectangle} = 270.75 \text{ sq. m}$$

$$\text{Difference in area} = 1444 - 270.75$$

$$\Rightarrow 1173.25 \text{ sq. mtr}$$

94. (e) A and B ratio is 4 : 7

$$\Rightarrow 4x + 7x = 73689$$

$$\Rightarrow 11x = 73689$$

$$\Rightarrow x = 6699$$

$$\text{Share of A} = ₹ 26796$$

$$\text{Share of B} = ₹ 46893$$

$$\text{Difference} = \text{twice of share B} - \text{thrice of share A}$$

$$= 2 \times 46893 - 3 \times 26796 = ₹ 13398$$

$$95. (d) A + B \quad 1 \text{ day's work} = \frac{1}{20} \quad \dots(1)$$

$$B + C \quad 1 \text{ day's work} = \frac{1}{30} \quad \dots(2)$$

$$C + A \quad 1 \text{ day's work} = \frac{1}{40} \quad \dots(3)$$

Adding eqn. (1), (2) and (3)

$$2(A + B + C) = \frac{1}{20} + \frac{1}{30} + \frac{1}{40}$$

$$2(A + B + C) = \frac{6 + 4 + 3}{120}$$

$$\Rightarrow A + B + C \quad 1 \text{ day work together} = \frac{13}{240}$$

$$A' \text{ Alone 1 day's work} = (A + B + C) 12 \text{ day's work} - (B + C) 1 \text{ day's work}$$

$$A = \frac{13}{240} - \frac{1}{30} \Rightarrow \frac{13 - 8}{240} = \frac{5}{240}$$

$$\text{Number of days taken by } A = \frac{240}{5} \text{ days}$$

$$C' \text{ Alone 1 day's work} = (A + B + C) 12 \text{ day's work} - (A + B) 1 \text{ day's work}$$

$$\Rightarrow \frac{13}{240} - \frac{1}{20} \Rightarrow \frac{13 - 12}{240} = \frac{1}{240}$$

$$\text{Number of days taken by } C = \frac{240}{1} \text{ days}$$

$$\text{Required Ratio } \frac{240}{5} : \frac{240}{1}$$

$$\Rightarrow 1 : 5$$

96. (d) Percentage increase = $\frac{2010 - 2009}{2009} \times 100$

$$= \frac{700 - 550}{550} \times 100 = 27.2 \approx 27\%$$

97. (b) Percent of production = $\frac{400}{550} \times 100 = 72.72 \approx 73\%$

98. (c)

Year	Production of B
2006	600
2007	700
2008	800
2009	600
2010	650
2011	700

$$= \frac{600 + 700 + 800 + 600 + 650 + 700}{6} = 675$$

99. (e) Total production of company A = 4050

Total sales of company A = 2750

Required ratio $\Rightarrow 4050 : 2750 = 81 : 55$

100. (c) Required ratio = production of B in the year 2006 :

Production of B in the year 2008

$\Rightarrow 600 : 800 \Rightarrow 3 : 4$

GENERAL AWARENESS

- | | | | |
|----------|----------|----------|----------|
| 101. (a) | 102. (b) | 103. (b) | 104. (a) |
| 105. (e) | 106. (d) | 107. (b) | 108. (c) |
| 109. (e) | 110. (c) | 111. (b) | 112. (a) |
| 113. (a) | 114. (d) | 115. (c) | 116. (d) |
| 117. (b) | 118. (e) | 119. (a) | 120. (c) |
| 121. (e) | 122. (d) | 123. (d) | 124. (b) |
| 125. (d) | 126. (b) | 127. (a) | 128. (e) |
| 129. (e) | 130. (e) | 131. (d) | 132. (a) |
| 133. (d) | 134. (c) | 135. (b) | 136. (c) |
| 137. (a) | 138. (d) | 139. (a) | 140. (c) |
| 141. (b) | 142. (c) | 143. (a) | 144. (e) |
| 145. (d) | 146. (e) | 147. (b) | 148. (d) |
| 149. (c) | 150. (d) | | |

COMPUTER KNOWLEDGE

- | | | | |
|----------|----------|----------|----------|
| 151. (b) | 152. (a) | 153. (c) | 154. (a) |
| 155. (b) | 156. (a) | 157. (a) | 158. (c) |
| 159. (e) | 160. (a) | 161. (e) | 162. (c) |
| 163. (c) | 164. (c) | 165. (a) | 166. (d) |
| 167. (e) | 168. (e) | 169. (e) | 170. (a) |
| 171. (d) | 172. (a) | 173. (b) | 174. (d) |
| 175. (a) | 176. (d) | 177. (b) | 178. (d) |
| 179. (a) | 180. (b) | 181. (d) | 182. (e) |
| 183. (c) | 184. (c) | 185. (b) | 186. (a) |
| 187. (e) | 188. (b) | 189. (c) | 190. (d) |
| 191. (e) | 192. (b) | 193. (b) | 194. (e) |
| 195. (a) | 196. (c) | 197. (d) | 198. (a) |
| 199. (b) | 200. (d) | | |

ENGLISH LANGUAGE

201. (e) All are true.
202. (c) Only (A) and (C).
203. (d) There is a chance that in 2012 the economy would be better than what has been forecast.
204. (d) The current Economic Scenario.
205. (a) Only (B).
206. (a) These will bring about only minor growth.
207. (e) None is true.
208. (e) All (A), (B) and (C).
209. (a) The meaning of word Draw (verb) as used in the passage is : Influence.
Hence, the words Draw and Entice are synonymous.
210. (a) The meaning of clock (noun) as used in the passage is : time keeping device.
Hence, the words Clock and Watch are synonymous.
211. (d) The meaning of Abate (verb) as used in the passage is : to become less.
Hence, the words Abate and Lessen are synonymous.
212. (b) The meaning of emerging (verb) as used in the passage is : come into sight.
Hence, the words Emerging and Developing are synonymous.
213. (c) The meaning of Myraid (adjective) as used in the passage is : numerous.
Hence, the words myraid and few are antonymous.
214. (a) The meaning of Tepid (Adjective) as used in the passage is warm.
Hence, the words tepid and moderate are antonymous.
215. (a) The meaning of Myth as used in the passage is : fictional.
- 216-220. F A E B C D
216. (d) D
217. (e) E
218. (c) C
219. (a) F
220. (a) A
221. (a)
222. (b)
223. (c)
224. (b)
225. (c)
226. (e) No error
227. (d) Here, levied additional monthly charges on consumers is used.
228. (a) Here, Despite curfew is used.
229. (d) Here, Has been doubled is used.
230. (a)
231. (b)
232. (c)
233. (c) Here, arise when they are not is used.
234. (e) No error
235. (b)
236. (a) runs out.
237. (c) rages on.
238. (b) the first to switch off.
239. (a) not just because.
240. (d) in support of.
241. (b)
242. (e)
243. (b)
244. (a)
245. (b)
246. (c)
247. (d)
248. (a)
249. (e)
250. (d)