

IBPS PO Main Exam 2015

Based on Memory

REASONING ABILITY

DIRECTIONS (Qs. 1-5) : Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and _____

Give answer (a) If the data in statement **I alone** are sufficient to answer the questions, while the data in statement II alone are not sufficient to answer the question.

Give answer (b) If the data in statement **II alone** are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

Given answer (c) If the data **either** in statement I alone or in statement II alone are sufficient to answer the question.

Give answer (d) If the data even in both statement I and II together are **not** sufficient to answer the question.

Give answer (e) If the data in both statements I and II **together** are necessary to answer the question

1. How is 'party' coded in the language ?
 - I. 'going to a party' is coded as 'la fa qu tu' and 'for a party' is coded as 'fa me tu'.
 - II. 'start the party' is coded as 'tu co ra' and 'going to start' is coded as 'qu co la'.
2. On which day of the week is Priya definitely travelling ?
 - I. Amita correctly remembers that Priya is travelling after Tuesday but before Saturday. Rohit correctly remembers that Priya is travelling before Friday but after Monday.
 - II. Priya does not travel on a Friday.
3. How is P related to A ?
 - I. A is the daughter of M and the sister of S.
 - II. K is the son of P and the husband of M.
4. Four movies are screened from Monday to Thursday, (one on each day starting on Monday and ending on Thursday) viz - Crash, Social Network, Ice Age and Notting Hill. On which day is the movie Crash screened ?
 - I. Social Network is screened on the last day.
 - II. Neither Ice Age nor Notting Hill are screened on Monday.
5. Who sits to the immediate right of Ayesha ?
 - I. Four friends Shradha, Tania, Vimla and Ayesha are sitting around a circular table facing the centre.

- II. Shradha sits second to the right of Tania. Vimla is an immediate neighbour of Shradha.

DIRECTIONS (Qs. 6-10) : Study the following information to 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. The following is an illustration of input and rearrangement. (Single digit numbers are preceded by a zero. All other numbers are two digit numbers)

Input : Good 18 to raise 02 12 money 28 for 57 charity 09.

Step I : to good 18 raise 02 12 money 28 for charity 09 57.

Step II : to raise good 18 02 12 money for charity 09 28 57.

Step III : to raise money good 02 12 for charity 09 18 28 57.

Step IV : to raise money good 02 for charity 09 12 18 28 57.

Step V : to raise money good for charity 02 09 12 18 28 57.

Step V : is the last Step of the arrangement of the above input as the intended arrangement is obtained.

DIRECTIONS (Qs. 6-7) : These questions are based on the following input:

Input : always 19 give 21 84 for 62 14 worthy cause

6. Which of the following would be step III for the above input ?
 - (a) worthy give for always 19 14 cause 84 62 21.
 - (b) worthy give for always 14 19 cause 21 62 84.
 - (c) always give for worthy 19 14 cause 21 62 84.
 - (d) worthy give for always 19 14 cause 21 62 84.
 - (e) always give for cause 19 14 worthy 21 62 84.
7. How many steps would be needed to complete the arrangement for the above input ?
 - (a) VI
 - (b) V
 - (c) IV
 - (d) VII
 - (e) None of these

DIRECTIONS (Qs. 8-10) : These questions are based on the following input :

Input : 50 62 tips on 67 how can 42 stay young 17 89 forever 03.

8. The following stands for which step of the arrangement ?
young tips stay 50 on how can 42 17 forever 03 62 67 89.
- (a) Step III (b) Step V
(c) Step VI (d) Step IV
(e) None of these
9. Which of the words/numbers below would be at the fifth position (from the right end) in Step V of the input ?
- (a) forever (b) 42
(c) 50 (d) young
(e) None of these
10. Which of the following would be the last step for the input?
- (a) young tips stay on how forever can 03 17 42 50 62 67 89.
(b) young tips stay on how forever can 89 67 62 50 42 17 03.
(c) can forever how on stay tips forever 89 67 62 50 42 17 03.
(d) young tips stay on how forever can 03 17 42 50 67 62 89.
(e) can forever how on stay tips young 03 17 42 50 62 67 89.

DIRECTIONS (Qs. 11-13) : Read the following information carefully and answer the questions that follow.

Ruling governments in the west are being punished by the voters for ever rising unemployment rates. Their parliament is abuzz with campaigns, marked by criticism of India as an outsourcing hub. India is seen by many in the west as a land of call centres and back offices with cheap labour that cost people in the west, their jobs.

11. Which of the following statements would **weaken** the argument given in the passage ?
- (a) Outsourced jobs do not require highly skilled and qualified employees.
(b) Nearly 34% of the unemployed people would secure jobs in the west if outsourced jobs were in sourced by their organisations
(c) After suffering heavy losses in the elections the governments in the west are expected to change their decision on outsourcing to India.
(d) Outsourcing, a dynamic, two-way relationship has created jobs and growth in India as well as the west.
(e) Although outsourcing to India allowed many companies in west to focus on their core operations, they heavily compromised the quality and the standards of their back office jobs.
12. Which of the following can be a **possible repercussion** of the opposition to outsourcing in the west ?
- (a) Jobs which are currently outsourced to India would be transferred to another country which in all probability would be China.
(b) Call centres and back offices employees in India would expect a salary at par with their western counterparts.
(c) In-sourcing of jobs by the west would render thousands of Indians unemployed.
(d) If in-sourced in the west itself, the companies would not be able to employ professionals and experts of same quality as available in India.

- (e) The western companies which earlier outsourced to India would benefit financially as offices would not have to be set overseas.
13. Which of the following can be **inferred**? (An inference is something which is not directly stated but can be inferred from the given facts)
- (a) Unemployment in India is not as severe a problem as that in the west
(b) Employees working in the back offices and call centres in the west earn much more than their counterparts in India
(c) Developing countries such as China and India do not outsource their back office jobs at all to other countries
(d) Countries which do not outsource jobs do not face the problem of unemployment
(5) One of the main reasons for high unemployment rate in India is its clean of call centres and back offices which undertake outsourced work from the west

DIRECTIONS (Qs. 14-19) : Read the following information carefully and answer the questions that follow.

(K, L, M, P, Q, R, S and T are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face outside while those who sit in the middle of the sides face the centre of the table.)

- P sits third to the right of S. S faces the centre. Q sits third to the left of M. M does not sit in the middle of the sides. Only one person sits between Q and R. R is not an immediate neighbour of M. T faces the centre. K is not an immediate neighbour of R.
14. What is position of M with respect to L ?
- (a) Third to the right
(b) M and L sit diagonally opposite to each other
(c) Second to the right.
(d) Second to the left
(e) Fifth to the right
15. Who sits exactly between Q and R ?
- (a) T (b) P
(c) K (d) M
(e) S and K
16. Which of the following pairs represents the persons seated in the middle of the sides who face each other ?
- (a) S, Q (b) K, L
(c) M, P (d) R, T
(e) T, Q
17. Who amongst the following sits between R and K when counted in anti-clockwise direction from K ?
- (a) No one sits between R and K as R and K are immediate neighbours of each other
(b) S, P and
(c) P and Q
(d) L and R
(e) M, S and T
18. If K is made to face the opposite direction, who would sit to his immediate right ?
- (a) R (b) Q
(c) P (d) T
(e) S

19. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?
- (a) L (b) M
(c) K (d) P
(e) R

DIRECTIONS (Qs. 20-23) : Read the following information and five statements given below it carefully and answer the questions which follow.

- Exodus from rural areas to the urban hubs in search of job opportunities has now declined to nearly twenty-six percent of what it was at the turn of 21st century.
- (A) Since the last decade, the rural economy has transformed itself into a bankable, profit making and commercially viable venture.
- (B) Job opportunities differ in urban and rural areas
- (C) The load on infrastructure and resources in the urban areas which had remained unmanageable for a long time has been eased a little since the last decade.
- (D) This trend of reverse migration which was seen only in developed countries till now has entered the scenes of developing nations as well
- (E) According to a recent report more than eighty percent of the professionals having roots in rural areas prefer to work in urban cities rather than their home villages.
20. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents an **effect** of the given information most appropriately ?
- (a) B (b) C
(c) D (d) C
(e) Either D or E
21. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents a **cause** of the given information most appropriately ?
- (a) E (b) D
(c) C (d) B
(e) A
22. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above represents an **assumption** most appropriately ? (An assumption is something supposed or taken for granted)
- (a) A (b) B
(c) C (d) Both A and C
(e) D
23. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above would **weaken / contradict** the facts presented in the paragraph ?
- (a) A (b) B
(c) C (d) D
(e) E

DIRECTIONS (Qs. 24) : Question below is followed by three arguments numbered I, II and III. You have to decide which of the argument(s) is/are "strong" and indicate your answer accordingly.

24. Should the Government restrict use of electricity for each household depending upon the requirement?

Arguments :

- I. Yes, this will help government tide over the problem of inadequate generation of electricity.
- II. No, every citizen has right to consume electricity as per their requirement as they pay for using electricity.
- III. No, the Government does not have the machinery to put such a restriction on use of electricity.
- (a) Only I is strong
(b) Only II is strong
(c) Only I and II are strong
(d) Only II and III are strong
(e) All I, II and III are strong
25. **Statement :** Many patients suffering from malaria were administered anti-malarial drug for a week. Some of them did not respond to the traditional drug and their condition deteriorated after four days.
- Which of the following would **weaken** the findings mentioned in the above statement?
- (a) Those patients who responded to the traditional drugs and recovered were needed to be given additional doses as they reported relapse of symptoms.
- (b) The mosquitoes carrying malaria are found to be resistant to traditional malarial drugs.
- (c) Majority of the patients suffering from malaria responded well to the traditional malarial drugs and recovered from the illness.
- (d) Many drug companies have stopped manufacturing traditional malarial drugs.
- (e) None of these
26. **Statement :** The cost of manufacturing cars in state A is thirty per cent less than the cost of manufacturing cars in state B. Even after transportation fee for the differential distances of states A and B and the interstate taxes, it is cheaper to manufacture cars in state B than state A for selling these cars in State C.
- Which of the following **supports** the conclusion drawn in the above statement?
- (a) The cost of transportation from state A to state C is more than thirty per cent of the production cost.
- (b) The production costs of cars in state B are lower in comparison to state A.
- (c) Only Entry tax at state C is more for the products originated in state A
- (d) Entry tax at state C is more for the products originated in state B
- (e) The total of transportation cost of cars from state B to state C and entry tax of cars at state C is less than thirty per cent of the production cost of cars in state B.
27. **Statement :** Many people are of the opinion that use of cell phones in offices for personal use should totally be banned. It has been found in a research study that there was significant drop in output of employees in the organisation where use of cell phones was liberally allowed vis-a-vis those organizations where use of cell phones are banned for making personal calls.
- Which of the following **contradicts** the findings in the above statement?

- (a) People spend more time on talking while using cell phone for personal calls.
 (b) Use of cell phones has become common in all the organizations.
 (c) In the organization where employees were allowed to use cell phones for making personal calls the employees are found to be more motivated to carry out their duties than those working in other organizations.
 (d) Many organizations who provide cell phones to their employees for making official calls advise them to refrain from making personal calls during office hours
 (e) None of these
28. **Statement :** Some of the country's largest food beverage and pharma companies may be forced to import sugar directly as the government plans to improve stock limits on industrial consumers to ease the shortage in grocery shops and cool down prices that are at a 28 month high. Which of the following **substantiates** the views expressed in the above statement?
- (a) Food, beverage and pharma companies were not allowed in the past to import sugar.
 (b) Sugar prices have been fluctuating for the past seven months.
 (c) Government does not have authority to restrict purchase of sugar from the open market.
 (d) Import of sugar for commercial use will help lowering down the sugar price in the retail market.
 (e) None of these

DIRECTIONS (Qs. 29-33) : In each of the questions below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

29. **Statement:**
 Some boxes are trees.
 Some trees are horses.
 All horses are fruits.
Conclusions:
 I. Some fruits are boxes.
 II. Some fruits are trees.
 III. Some horses are boxes.
 IV. No fruit is box
 (a) None follows
 (b) Only either II or IV follows
 (c) Only either I or IV and II follow
 (d) Only either I or III and IV follow
 (e) None of these
30. **Statement:**
 All flowers are buses.
 Some buses are cats.
 All cats are tigers.
Conclusions:
 I. Some tigers are buses.
 II. Some tigers are flowers.

- III. Some cats are flowers.
 IV. Some buses are tigers.
 (a) None follows
 (b) Only I and II follow
 (c) Only III and IV follow
 (d) Only I and IV follow
 (e) Only II and III follow
31. **Statements :**
 All fans are rooms.
 No room is green.
 Some windows are green.
Conclusions :
 I. Some windows are fans.
 II. Some windows are rooms.
 III. Some fans are green.
 IV. No green is fan.
 (a) Only I follows
 (b) Only III follows
 (c) Only IV follows
 (d) Only II and IV follow
 (e) All follow
32. **Statement:**
 Some tablets are rains.
 All dogs are rains.
 All rains are chairs.
Conclusion:
 I. Some chairs are tablets.
 II. All dogs are chairs.
 III. Some tablets are dogs.
 IV. Some tablets are chairs.
 (a) All follow
 (b) Only I, II and III follow
 (c) Only II, III and IV follow
 (d) Only III and IV follow
 (e) None of these
33. **Statement:**
 No man is sky.
 No sky is road.
 Some men are roads.
Conclusions:
 I. No road is man.
 II. No road is sky.
 III. Some skies are men.
 IV. All roads are men.
 (a) None follows
 (b) Only I follows
 (c) Only I and III follow
 (d) Only II and III follow
 (e) None of these

DIRECTIONS (Qs. 34 -38) : Study the following information carefully to answer these questions.

Seven students Ashwin, Devika, Baljit, Chandrakant, Urmila, Nagesh and Pranjali have taken admissions for MBA with specialization in HR or Finance or Marketing. Each one has got admission in different institutes M, J, K, L, R, T, F not necessarily in the same order. At least two have opted for each of the specializations.

Devika has opted for Marketing but not in Institute J or T. Chandrakant has taken admission for HR in Institute K. The one who studies in Institute F does not study Finance. Nagesh studies the same specialization as that of Devika in Institute R. Ashwin does not study in Institute L or T. Baljit studies HR in Institute J. Pranjali studies in Institute F and does not study marketing.

34. Which of the following combinations of institute and specialization is true for Urmila ?
 (a) L - Finance (b) L - Marketing
 (c) T - Marketing (d) T - Finance
 (e) None of these
35. Devika studies in which institute ?
 (a) L (b) T
 (c) F (d) M
 (e) None of these
36. Which of the following groups represents the students studying HR ?
 (a) Baljit and Chandrakant
 (b) Baljit, Chandrakant and Pranjali
 (c) Ashwin, Baljit and Chandrakant
 (d) Urmila and Chandrakant
 (e) None of these
37. Which of the following combinations of institute, student and specialization is correct ?
 (a) R - N - HR
 (b) T - N - Marketing
 (c) L - B - HR
 (d) M - D - Marketing
 (e) None of these
38. What is the specialization of Ashwin ?
 (a) Marketing
 (b) HR
 (c) Finance
 (d) Marketing or HR
 (e) Finance or Marketing

DIRECTIONS (Qs. 39-43) : Study the following information carefully and answer the questions given below :

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

39. At which station does E get down ?
 (a) II (b) III
 (c) IV (d) Data inadequate
 (e) None of these
40. At which station do C and F get in ?
 (a) I (b) II
 (c) III (d) Data inadequate
 (e) None of these

41. At which of the following stations do B and D get in ?
 (a) I (b) Base station
 (c) III (d) Data inadequate
 (e) None of these
42. After how many stations does E get down?
 (a) One (b) Two
 (c) Three (d) Four
 (e) Five
43. E gets down after how many stations at which F gets down?
 (a) Next station (b) Two
 (c) Three (d) Four
 (e) None of these

DIRECTIONS (Qs. 44-46) : Study the following arrangement and answer the questions given below :

R 4 T M 7 W % J 9 5 I # 1 P B 2 T A 3 D \$ 6 E N F 8 U H @

44. Which of the following is sixth to the right of the fourteenth from the right end ?
 (a) 5 (b) 6
 (c) I (d) \$
 (e) None of these
45. How many such consonants are there in the above arrangement, each of which is immediately followed by a symbol but not immediately preceded by another consonant ?
 (a) None (b) One
 (c) Two (d) Three
 (e) None of these
46. Which of the following is the eighth to the left of the sixteenth from the left end ?
 (a) J (b) E
 (c) % (d) 6
 (e) None of these
47. Consider the following sentences :

"Now-a-days the FMCG companies woo their customers or buyers by selling their goods or products in small sachets. This has increased the sale of the product".

Which of the following may be the appropriate reason for the given facts ?

- (a) People generally want to buy any products in small quantity
 (b) FMCG companies save cost of packaging and so their profit is maximised
 (c) It is easy to store any products in sachets so buyer prefer them
 (d) It is possible to assess the quality of products without wasting much money when a sachets is bought
 (e) Generally people consume the whole quality of product contained in the sachets at once and so people buy a large number of sachets at one time.

DIRECTIONS (Qs. 48-50) : Study the following information carefully to answer the given questions

Seven persons – A, B, C, D, K, L and N – are seated in a straight line facing north in ascending order of their salaries. N earns more than L and D. N earns more than A but he does not earn the highest. A earns more than L. The person who earns the

second highest receives a salary of ₹ 35,000 while the third lowest earner receives ₹ 23,000. K earns less than L but more than D. C earns ₹ 18,000.

48. Who among the following earn(s) more than ₹ 23,000 but less than ₹ 35,000 ?
 (a) Only A (b) Only L
 (c) A and L (d) K and L
 (e) A and N
49. Who among the following may earn ₹ 21,000 ?
 (a) K (b) D
 (c) L (d) C
 (e) N
50. Who among the following earns more than K but less than A ?
 (a) C (b) N
 (c) D (d) L
 (e) B

QUANTITATIVE APTITUDE

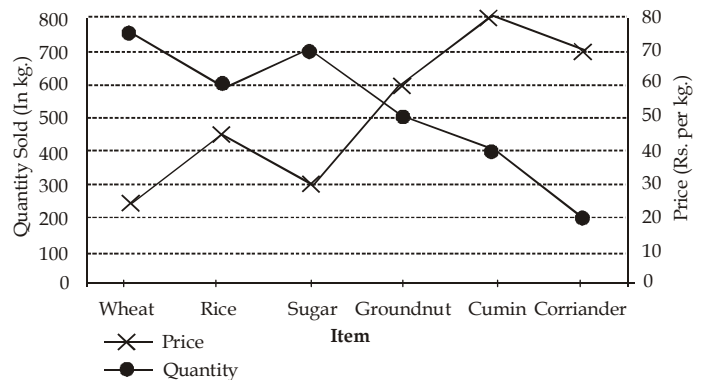
DIRECTIONS (Qs. 51-55) : In these questions, a question is given followed by information in three statements. You have to consider the information in all the three statements and decide the information in which of the statement(s) is not necessarily required to answer the question and therefore can be dispensed with. Indicate your answer accordingly.

51. How many students from Institute 'A' got placement?
 I. Number of students studying in Institutes A & B are in the ratio of 3 : 4 respectively.
 II. Number of students who got placement from Institute B is 120% of the number of students who got placement from Institute A.
 III. 80% of the students studying in Institute B got placement.
 (a) None of the statements can be dispensed with
 (b) Only I
 (c) Only II
 (d) Anyone of the three
 (e) Question cannot be answered even with the information in all three statements
52. What is the monthly income of Mr. X?
 I. Mr. X spends 85% of his income on various items and remaining amount is saved.
 II. Monthly saving of Mr. X are ₹ 4,500/.
 III. Out of the total money spent by Mr. X in a month, one-fifth is spent on food and remaining amount of ₹ 20,400 on other items.
 (a) Only II
 (b) Only III
 (c) Only either II or III
 (d) Question cannot be answered even with the information in all three statements
 (e) None of these
53. What is Suchitra's present age?
 I. Suchitra's present age is double the age of her son.

- II. Ratio between present ages of Suchitra and her mother is 2 : 3 respectively.
 III. Four years hence the ratio between Suchitra's age and her son's age will be 13 : 24 respectively.
 (a) Only II (b) Only III
 (c) Either I or II only (d) Either II or III only
 (e) None of these
54. What is Neeta's share in the profit earned at the end of 2 years in a joint business run by Neeta, Seeta and Geeta?
 I. Neeta invested ₹ 85,000/ to start the business.
 II. Seeta and Geeta joined Neeta's business after six months investing amounts in the ratio of 3 : 5 respectively.
 III. Total amount invested by Seeta and Geeta is ₹ 2.3 lakhs
 (a) Only II
 (b) Only III
 (c) Only either II or III
 (d) Information in all three statements is required for answering the question.
 (e) Question cannot be answered even with the information in all three statements.
55. What is the labelled price of the article?
 I. Cost price of the article is ₹ 500/.
 II. Selling price after offering 5% discount on the labelled price is ₹ 608/.
 III. Profit earned would have been 28% if no discount was offered.
 (a) Only I (b) Only III
 (c) Only II & III (d) Only I and III
 (e) Only I and II

DIRECTIONS (Qs. 56-60) : Study the following graph carefully to answer these questions.

Quantity of various Items Sold and Price Per Kg.



56. What is the average price per kg of wheat and rice sold? (rounded off to nearest integer)
 (a) 32 (b) 34
 (c) 36 (d) 35
 (e) 31
57. If cumin is sold at a 10% discount, the quantity sold doubles. What will be the cost of total quantity of cumin sold on discount?
 (a) ₹ 52,600/ (b) ₹ 28,800/
 (c) ₹ 32,000/ (d) ₹ 57,600/
 (e) None of these

58. Out of the total quantity of sugar sold, half the quantity is sold at the given rate while half the quantity is sold on a price increased by 20%. What is the total cost of entire quantity of sugar sold?
- (a) ₹ 23,100/ (b) ₹ 23,800/
 (c) ₹ 22,400/ (d) ₹ 23,400/
 (e) None of these
59. If the quantities sold of Groundnut and Cumin are interchanged, what will be the total cost of quantities sold for these two items together?
- (a) ₹ 62,000/ (b) ₹ 60,000/
 (c) ₹ 65,000/ (d) ₹ 63,000/
 (e) None of these
60. If the quantity of coriander sold is increased by 200% and the price per kg. is reduced by 8%, what will be the total cost of coriander sold?
- (a) ₹ 38,460/ (b) ₹ 36,480/
 (c) ₹ 38,640/ (d) ₹ 36,840/
 (e) None of these

DIRECTIONS (Qs. 61-65): Study the following information carefully to answer these questions :

For an examination consisting of three subjects-Maths, Physics and Chemistry, 280 students appeared. When the results were declared, 185 students had passed in Maths, 210 had passed in Physics and 222 had passed in Chemistry. All those except 5 students who passed in Maths, passed in Physics.

All those except 10 students who passed in Maths, passed in Chemistry.

47 students failed in all the three subjects.

200 students who passed in Physics also passed in Chemistry.

61. How many students passed in Chemistry only ?
- (a) 18 (b) 21
 (c) 25 (d) 29
 (e) None of these
62. How many students passed in all the three subjects ?
- (a) 185 (b) 175
 (c) 170 (d) 171
 (e) Cannot be determined
63. How many students failed in Physics and Maths ?
- (a) 65 (b) 18
 (c) 58 (d) 47
 (e) Cannot be determined
64. How many students passed in Maths but failed in both Physics and Chemistry ?
- (a) 5 (b) 10
 (c) 15 (d) 1
 (e) Cannot be determined
65. A student has to pass in at least two subjects to get promoted. How many students get promoted ?
- (a) 180 (b) 213
 (c) 200 (d) 185
 (e) Cannot be determined

DIRECTIONS (Qs. 66-70): Study the following Table carefully and answer the question given below :

**MARKS OBTAINED BY DIFFERENT STUDENTS
IN DIFFERENT SUBJECTS**

| Students | SUBJECTS (Maximum Marks) | | | | | | |
|----------|-----------------------------|------------------|----------------|----------------|-----------------|------------------|---------------------|
| | Hindi (100) | English (100) | Maths (100) | S.St. (100) | Science (75) | Sanskrit (50) | Phy. Edu (75) |
| Anupama | 85 | 95 | 87 | 87 | 65 | 35 | 71 |
| Bhaskar | 72 | 97 | 55 | 77 | 62 | 41 | 64 |
| Charu | 64 | 78 | 74 | 63 | 55 | 25 | 53 |
| Deepak | 65 | 62 | 69 | 81 | 70 | 40 | 50 |
| Garima | 92 | 82 | 81 | 79 | 49 | 30 | 61 |
| Vishal | 55 | 70 | 65 | 69 | 44 | 28 | 30 |

66. How many students have scored the lowest marks in two or more subjects ?
- (a) 2 (b) 3
 (c) 1 (d) 0
 (e) 4
67. Who has scored the highest marks in all the subjects together ?
- (a) Deepak (b) Charu
 (c) Anupama (d) Garima
 (e) Bhaskar
68. What is the percentage of Deepak's marks (upto two digits after decimal) in all the subjects together ?
- (a) 88.63 (b) 77.38
 (c) 67.83 (d) 62.83
 (e) 72.83
69. Marks obtained by Charu in Hindi are what percent of marks (upto two digits after decimal) obtained by Anupama in the same subject ?
- (a) 75.92 (b) 78.38
 (c) 77.29 (d) 75.29
 (e) 72.83
70. What are the average marks obtained by all the students together in Science ?
- (a) 55.75 (b) 57.5
 (c) 60 (d) 59.5
 (e) 58

DIRECTIONS (Qs. 71-75): What should come in place of the question mark (?) in the following number series ?

71. 104 109 99 114 94 ?
- (a) 69 (b) 124
 (c) 120 (d) 78
 (e) None of these
72. 980 392 156.8 ? 25.088 10.0352
- (a) 65.04 (b) 60.28
 (c) 62.72 (d) 63.85
 (e) None of these
73. 14 16 35 109 441 ?
- (a) 2651 (b) 2205
 (c) 2315 (d) 2211
 (e) None of these

74. 1331 2197 4913 6859 ? 24389
 (a) 12167 (b) 13824
 (c) 9261 (d) 15625
 (e) None of these
75. 3600 725 150 35 12 ?
 (a) 8 (b) 7.4
 (c) 10.5 (d) 10
 (e) None of these
76. If the numerator of a fraction is increased by 350% and the denominator of the fraction is increased by 300% the resultant fraction is $\frac{9}{22}$. What is the original fraction ?
 (a) $\frac{3}{4}$ (b) $\frac{5}{12}$
 (c) $\frac{7}{9}$ (d) $\frac{4}{11}$
 (e) None of these
77. The length of rectangular plot is thrice its breadth. If the area of the rectangular plot is 6075 sq. metres, what is its length?
 (a) 145 metres (b) 130 metres
 (c) 75 metres (d) 45 metres
 (e) None of these
78. Ms. Sujata invests 7% i.e. ₹ 2170 of her monthly salary in mutual funds. Later she invests 18% of her monthly salary in recurring deposits also, she invests 6% of her salary on NSC's. What is the total annual amount invested by Ms. Sujata ?
 (a) ₹ 1,25,320 (b) ₹ 1,13,520
 (c) ₹ 1,35,120 (d) ₹ 1,15,320
 (e) None of these
79. In how many different ways can the letters of the word 'PRIDE' be arranged ?
 (a) 60 (b) 120
 (c) 15 (d) 360
 (e) None of these
80. The ages of Samir and Tanuj are in the ratio of 8 : 15 years respectively. After 9 years the ratio of their ages will be 11 : 18. What is the difference in years between their ages ?
 (a) 24 years (b) 20 years
 (c) 33 years (d) 21 years
 (e) None of these

DIRECTIONS (Qs. 81-85): For the two given equations I and II.

Give answer (1) if p is greater than q.

Give answer (2) if p is smaller than q.

Give answer (3) if p is equal q.

Give answer (4) if p is either equal to or greater than q.

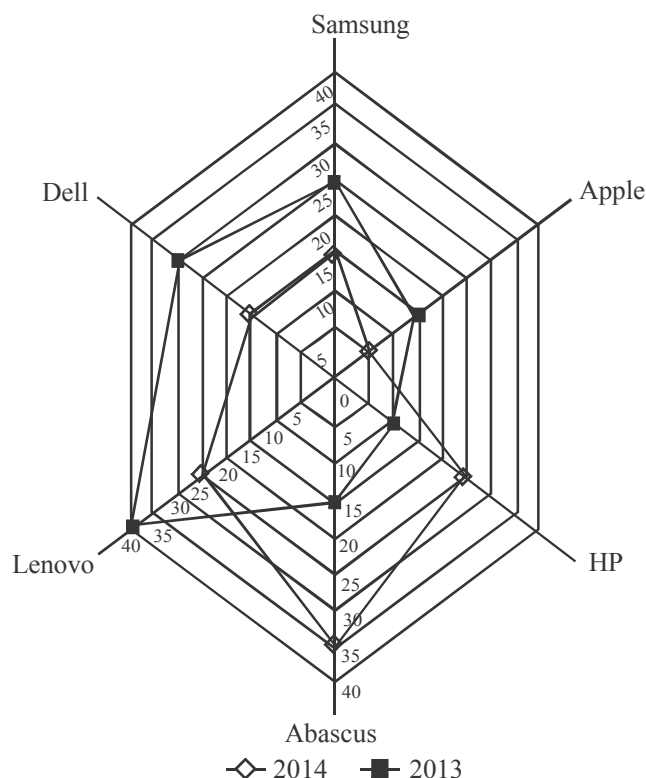
Give answer (5) if p is either equal or smaller than q.

81. I. $p^2 + 5p + 6 = 0$
 II. $q^2 + 3q + 2 = 0$
82. I. $p^2 = 4$
 II. $q^2 + 4q = -4$
83. I. $p^2 + p = 56$
 II. $q^2 - 17q + 72 = 0$

84. I. $3p + 2q - 58 = 0$
 II. $4q + 4p = 92$
85. I. $3p^2 + 17p + 10 = 0$
 II. $10q^2 + 9q + 2 = 0$

DIRECTIONS (Qs.86-90): In the following graph the number of laptops manufactured by six different companies in the years 2013 and 2014 has been given. Read the graph carefully and answer the questions.

**Number of laptops (in thousands)
 manufactured by 6 different companies**



86. The respective ratio between the number of laptops manufactured by Lenovo in 2013 and that by Abascus in 2014 is
 (a) 8 : 7 (b) 7 : 8
 (c) 3 : 5 (d) 5 : 3
 (e) None of these
87. What is the average number of laptops (in thousands) manufactured by all companies taken together in 2013 ?
 (a) 22 (b) 22.5
 (c) 32.5 (d) 23.5
 (e) 27.5
88. What is the percentage increase in production of laptops by HP in 2014 in comparison to that in 2013 ?
 (a) 125 (b) 100
 (c) 150 (d) 250
 (e) None of these
89. The difference between the number of laptops manufactured by Apple, Lenovo and Samsung in 2013 and that by Dell, HP and Abascus in 2014 is

- (a) 5500 (b) 4550
(c) 3550 (d) 4500
(e) 5000
90. In 2014, which company manufactured the maximum number of laptops?
(a) Abascus (b) Lenovo
(c) Dell (d) Samsung
(e) HP

DIRECTIONS (Qs. 91-95): What value will come in place of the question mark (?) in the following questions.

91. $7072 \div (16\% \text{ of } 884) = 30 \times 1\frac{1}{12} \text{ of } (? \div 39)$
(a) 60 (b) 62
(c) 65 (d) 55
(e) 67
92. $(562.5 \times 6)^6 \div (135 \div 9)^{10} \div (37.5 \times 6)^7 = (3.75 \times 4)^{? - 6}$
(a) 0 (b) 2
(c) 3 (d) 4
(e) 5
93. $1478.4 \div 56 + 66.8 \times 57 = (? \times 3) + (34 \times 34.5)$
(a) 785 (b) 887
(c) 889 (d) 989
(e) 885
94. $(13 + 2\sqrt{5})^2 = ?\sqrt{5} + 189$
(a) 26 (b) 25
(c) 52 (d) 130
(e) None of these
95. $0.2 \times 1.1 + 0.6 \times 0.009 = ? - 313.06$
(a) 353.2184 (b) 353.2854
(c) 331.54 (d) 313.2854
(e) 331.2854
96. Sujata scored 2240 marks in an examination that is 128 marks more than the minimum passing percentage of 64%. What is the percentage of marks obtained by Meena if she scores 907 marks less than Sujata?
(a) 35 (b) 40
(c) 45 (d) 36
(e) 48
97. There are 8 brown balls, 4 orange balls and 5 black balls in a bag. Five balls are chosen at random. What is the probability of their being 2 brown balls, 1 orange ball and 2 black balls?
(a) $\frac{191}{1547}$ (b) $\frac{180}{1547}$
(c) $\frac{280}{1547}$ (d) $\frac{189}{1547}$
(e) None of these
98. The ratio of the salaries of A and B is 8 : 9. If A's salary is increased by 50% and B's salary is reduced by 25%, their ratio becomes 16 : 9. What is the salary of A ?
(a) ₹ 22000 (b) ₹ 28500
(c) ₹ 37000 (d) Cannot be determined
(e) None of these

99. If tax on a commodity is reduced by 10%, total revenue remains unchanged. What is the percentage increase in its consumption?

- (a) $11\frac{1}{9}\%$ (b) 20%
(c) 10% (d) $9\frac{1}{11}\%$
(e) None of these

100. The denominators of two fractions are 5 and 7 respectively.

The sum of these fractions is $\frac{41}{35}$. On interchanging the

numerators, their sum becomes $\frac{43}{35}$. The fractions are

- (a) $\frac{2}{5}$ and $\frac{4}{7}$ (b) $\frac{3}{5}$ and $\frac{4}{7}$
(c) $\frac{4}{5}$ and $\frac{2}{7}$ (d) $\frac{3}{5}$ and $\frac{5}{7}$
(e) None of these

ENGLISH LANGUAGE

DIRECTIONS (Qs. 101-115): Read the following passage based on an Interview to answer the given questions based on it. Certain words are printed in **bold** to help you locate them while answering some of the questions.

A spate of farmer suicides linked to harassment by recovery agents employed by Micro Finance Institutions (MFIs) in Andhra Pradesh **spurred** the state government to bring in regulation to protect consumer interests. But, while the Bill has brought into sharp focus the need for consumer protection, it tries to micro-manage MFI operations and in the process it could **scuttle** some of the crucial benefits that MFIs bring to farmers, says the author of Microfinance India, State of the Sector Report 2010. In an interview he points out that prudent regulation can ensure the original goal of the MFIs—social uplift of the poor.

Do you feel the AP Bill to regulate MFIs is well thought out ? Does it ensure fairness to the borrowers and the long-term health of the sector ?

The AP bill has brought into sharp focus the need for customer protection in four critical areas First is pricing. Second is tender's liability — whether the Lender can give too much loan without assessing the customer's ability to pay. Third is the structure of loan repayment — whether you can ask money on a weekly basis from people who don't produce weekly incomes. Fourth is the practices that attend to how you deal with defaults.

But the Act should have looked at the positive benefits that institutions could bring in, and where they need to be regulated in the interests of the customers. It should have brought only those features in.

Say, you want the recovery practices to be consistent with what the customer can really **manage**. If the customer is aggrieved and complains that somebody is harassing him, then those complaints should be investigated by the District Rural Development Authority.

Instead what the Bill says is that MFIs cannot go to the customer's premises to ask for recovery and that all transactions will be done in the Panchayat office. With great difficulty, MFIs brought services to the door of people. It is such a relief for the customers not to be spending time out going to banks or Panchayat offices, which could be 10 km away in some cases. A facility which has brought some relief to people is being shut. Moreover, you are practically telling the MFI where it should do business and how it should do it.

Social responsibilities were in-built when the MFIs were first conceived. If MFIs go for profit with loose regulations, how are they different from moneylenders?

Even among moneylenders there are very good people who take care of the customer's circumstance, and there are really bad ones. A large number of the MFIs are good and there are some who are **coercive** because of the kind of prices and processes they have adopted. But Moneylenders never got this organised. They did not have such a large footprint. An MFI brought in organisations, it mobilized the equity, it brought in commercial funding. It invested in systems. It appointed a large number of people. But some of them **exact**ed a much higher price than they should have. They wanted to break even very fast and greed did take over in some cases.

Are the for-profit MFIs the only ones harassing people for recoveries ?

Some not-for-profit outfits have also adopted the same kind of recovery methods. That may be because you have to show that you are very efficient in your recovery methods and that your portfolio is of a very high quality if you want to get commercial funding from a bank.

In fact, among for-profits there are many who have sensible recovery practices. Some have fortnightly recovery, some have monthly recovery. So we have differing practices. We just describe a few dominant ones and assume every for-profit MFI operates like that.

How can you introduce regulations to ensure social upliftment in a sector that is moving towards for-profit models ?

I am not really concerned whether someone wants to make a profit or not. The bottom-line for me is customer protection. The first area is fair practices. Are you telling your customers how the loan is structured ? Are you being transparent about your performance ? There should also be a lender's liability attached to what you do. Suppose you lend excessively to a customer without assessing their ability to service the loan, you have to take the hit.

Then there's the question of limiting returns. You can say that an MFI cannot have a return on assets more than X, a return on equity of more than Y. Then suppose there is a privately promoted MFI, there should be a regulation to ensure the MFI cannot access equity markets till a

certain amount of time. MFIs went to markets perhaps because of the need to grow too big too fast. The government thought they were making profit off the poor, and that's an indirect reason why they decided to clamp down on MFIs. If you say an MFI won't go to capital market, then it will keep political compulsions **under rein**.

101. Which of the following best explains 'Structure of loan repayment' in the context of the first question asked to the author ?
 - (a) Higher interest rate
 - (b) Payment on weekly basis
 - (c) Giving loan without assessing ability to pay
 - (d) Method of dealing with defaults
 - (e) Total amount of loan
102. The author is of the view that _____.
 - (a) the bill to regulate MFIs is not needed
 - (b) the bill neglects the interests of the customers
 - (c) the positive aspects of MFIs should also be considered.
 - (d) most of the MFIs are not good.
 - (e) MFIs must be told what and where they should do business
103. One of the distinct positive feature of MFIs is that _____.
 - (a) they brought services to the door of people
 - (b) they dealt with defaulters very firmly
 - (c) they provided adequate customer protection
 - (d) they are governed by the local people
 - (e) they have highly flexible repayment plan
104. What is the difference between MFIs and moneylenders ?
 - (a) There is no difference.
 - (b) A large number of money lenders are good whereas only a few MFIs are good
 - (c) Money lenders gave credit at lower rate of interest than that of MFIs
 - (d) MFIs adopted a structure and put a process in place, which was not the case with moneylenders
 - (e) Moneylender appointed large number of local people as against more outside people in MFIs
105. Which of the following is positive outcome of the AP Bill to regulate MFIs ?
 - (a) The banks have started this service in remote areas
 - (b) It highlighted some areas of customer protection
 - (c) It highlighted the bad practices being followed by moneylenders
 - (d) MFIs is invested in systems and brought in commercial funding.
 - (e) It will help convert MFIs into small banks
106. The author is recommending _____.
 - (a) Not-for profit MFIs
 - (b) For-profit MFIs
 - (c) Stoppage of commercial funding to MFIs
 - (d) Customer satisfaction irrespective of 'Not-for profit' or 'for profit' MFIs
 - (e) Public sector promoted MFIs
107. Why did MFIs go to the equity markets ?
 - (a) To repay the loan
 - (b) To lower interest rate
 - (c) There were political compulsions
 - (d) To become a public sector institution
 - (e) To grow very fast

108. Which of the following has **not** been indicated as one of the features of air practices for customer protection ?
- Providing information about loan structuring.
 - MFIs should also be held liable for some of their actions
 - Not to raise money from capital market
 - MFIs should also inform public about their own performance also
 - To provide credit as per the rational assessment of their ability to service the loan
109. Which of the following could possibly be most plausible reason for banning recovery by going to customer's premises ?
- To protect the family members
 - To protect the customer from harassment and coercion
 - To reduce the undue expenses of MFIs is resulting in lower interest rates.
 - To account systematically the money recovered in the books of accounts
 - To keep Panchayat office out of these transactions

DIRECTIONS (Qs. 110-113) : Choose the word which is **most nearly the same in meaning** as the word/group of words printed in **bold**.

110. **manage**
- afford
 - assess
 - thrust
 - administer
 - use
111. **exacted**
- perfected
 - demand
 - estimated
 - corrected
 - accurate
112. **scuttle**
- delay
 - mix
 - shuffle
 - destroy
 - smoothen
113. **spurred**
- agitated
 - instigated
 - reflected
 - disapproved
 - prompted

DIRECTIONS (Qs. 114-115) : Choose the word or group of words which is **most opposite** in meaning of the word printed in **bold**.

114. **under rein**
- under wrap
 - without target
 - let loose
 - no cloud
 - under cloud
115. **coercive**
- gentle
 - promoting
 - progressive
 - natural
 - opinionated

DIRECTIONS (Qs. 116-120) : 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.

- There are a number of item in the atomic energy programme which are being made indigenously.
 - Given the overall energy situation in India, the use of nuclear power in some measure is inescapable even while thermal and hydro power continue to be the dominant elements.
 - However, commercial aspects of exploiting nuclear capabilities, especially for power-generation programmes, have been recently given high priority.
 - Atomic energy programmes have been subject to severe restrictions for every obvious reason as the Department of Atomic energy is becoming self-reliant in areas in which only a few countrices have such capability.
 - Even to meet these nuclear power requirements, India critically requires a commercia level power-generation capability, with its commensurate safety and nuclear waste management arrangements.
 - Thus, in Indian context energy security is also crucial, perhaps much more than it is for the U.S.A.. because India imports a good part of its crude oil requirements, paying for it with precious foreign exchange.
116. Which of the following will be the FIFTH sentence after rearrangement ?
- (A)
 - (B)
 - (C)
 - (D)
 - (E)
117. Which of the following will be the THIRD sentence after rearrangement ?
- (A)
 - (B)
 - (C)
 - (D)
 - (E)
118. Which of the following will be the SECOND sentence after rearrangement ?
- (A)
 - (B)
 - (C)
 - (D)
 - (E)
119. Which of the following will be the FIRST sentence after rearrangement ?
- (A)
 - (B)
 - (C)
 - (D)
 - (E)
120. Which of the following will be the FOURTH sentence after rearrangement ?
- (A)
 - (B)
 - (C)
 - (D)
 - (E)

DIRECTIONS (Qs. 121-125) : In each question below, two sentences or parts of sentences are given with two blank spaces (____) (____) between them. From among the three parts / sentences denoted by (A), (B) and (C) given below each, find out which two can fill up the blanks in proper sequence

(i.e. the order in which these are given in the answer options) to make the sentence/ group of sentences meaningfully complete.

121. Four years ago, I had a major surgery. (____) . (____) .
I was too ill.
(A) It left me disabled.
(B) My attempts to go back to work could not succeed.
(C) I had fully recovered except for some minor weakness.
(a) (B) and (A) only (b) (C) and (A) only
(c) (B) and (C) only (d) (A) and (B) only
(e) (A) and (C) only
122. Based on scientific research, scientists conclude that (____) (____), they will live even more than a hundred years.
(A) keep themselves active all through
(B) exercise more, ensure proper vitamin intake,
(C) human species, if regulate their diet,
(a) Only (A) and (B) (b) Only (A) and (C)
(c) Only (C) and (A) (d) Only (C) and (B)
(e) Either C and (A) or (C) and (B)
123. The Central Government's plans to (____) (____) despite the fact that the opposition parties' united front had mobilized support of general public at the outskirts of Mumbai.
(A) defy the curfew imposed to prevent the proposed rally from protesting against the hike in petrol prices
(B) curb the rally called for by the opposition succeeded due to ruling party's announcement to
(C) cancel all the trains entering Mumbai,
(a) (A) and (B) only (b) (B) and (A) only
(c) (B) and (C) only (d) (A) and (C) only
(e) Either (B) and (C) or (A) and (C)
124. The economic gloom was exacerbated yesterday by Greek Prime Minister's surprise announcement (____)(____), and vote might put the tortuously conceived package in jeopardy.
(A) that was struck last week
(B) that he would recommend the Parliament to strike down the obnoxious deal
(C) that his country would hold a referendum on the European debt deal
(a) (C) and (A) only
(b) (B) and (A) only
(c) (A) and (C) only
(d) Either (C) and (A) or (B) and (A)
(e) None of these
125. The world's most powerful nations were warned (____) (____) and trigger mass social unrest.
(A) that could cost millions of jobs around the globe
(B) that international economy was on the brink of a deep new economic crisis
(C) that the only solution was pumping a huge amount of money in the economy
(a) (C) and (A) only (b) (B) and (A) only
(c) (B) and (C) only (d) (C) and (B) only
(e) None of these

DIRECTIONS (Qs. 126-130): Read each sentence given below and find out whether there is an error in it. The error if any will be one of the sentence which are marked as A, B, C and D. If there is no error, the answer will be (E) i.e. No error. (Ignore the errors of punctuation, if any)

126. The low learnings levels is due to the fact (a)/ that the state spends 87% of its budget (b)/ on salaries of its teachers (c)/ and not on infrastructure development for students (e)/ No error (e).
127. Recent incidents of tigers straying have brought to focus (a)/ the lack of proper regulatory mechanism and powers with the forest department (b)/ to take action against the resorts (c)/ mushroom in forest fringes (d)/ No error (e).
128. The beauty of the palace comes alive (a)/ When over a lakh bulbs (b)/ is switched on between 7pm and 7.45pm (c)/ on specific days (d)/ No error (e)
129. In view of the rising complaints (a)/ of unscrupulous financial institutes duping people with luring them (b)/ with handsome returns on their investment, the police have appealed (c)/ to the citizens to stay away from such companies (d)/ No error (e)
130. More and more cab drivers are approaching the regional transport office (RTO) (a)/ to obtain identity cards (b)/ after the transport office intensified action against errant drivers (c)/ in the last couple of months (d)/ No error (e).

DIRECTIONS (Qs. 131-135): Fill in the blank with most appropriate words from the given options.

Tibet _____ up images of a mystic land. Snow-capped mountain peaks pierce the blue sky and fierce chilly winds sweep the rolling grasslands. Maroon-robed Buddhist monks pray in remote monasteries and _____ horsemen pound the rugged earth. People in this high plateau perform punishing rituals like prostrating hundreds of miles in tattered clothes on pilgrimage. Spirits, spells and flying apparitions are part of the Tibetan world. In short, Tibet remains an exotica. Such images are largely the result of books by Western travellers and explorers in the last century, which helped in keeping the mystique alive. And when the Communist rulers took over Tibet in the 1950s and began _____ Chinese language and culture on the people, Tibet's own history started to _____ in the background. Thus, the only books available in English to Tsering Wangmo Dhompa as a young girl growing up in India and Nepal as a refugee _____ those written by Westerners, and so she came to view the country as a forbidden land, a place where fantasy and fable collaborated against a dramatic backdrop of mountains, black magic and people with strange customs and appearances.

131. (a) makes (b) conjures
(c) puts (d) toil
(e) appoints
132. (a) sturdy (b) wobbly
(c) handsome (d) herculean
(e) beautiful
133. (a) implementing (b) evading
(c) imposing (d) experimenting
(e) all of these

134. (a) amplify (b) Stretch
(c) die (d) recede
(e) increase
135. (a) are (b) have been
(c) was (d) were
(e) are

DIRECTIONS (Qs. 136-140): Read the passage carefully and answer the questions given below it. Certain words/ phrases have been given in bold to help you locate them while answering some of the questions.

Mobile technology is transforming the global banking and payment industry by providing added convenience to existing bank customers in developed markets, and by offering new services to the unbanked customers in emerging markets. While consumers and governments are keen to adopt mobile technology for government-to-person (G2P) payments, intermediaries are creating barriers as they end up losing a good source of income.

Any new product for the G2P market needs to consider the incentives and motivations of all parties involved in the current value chain. As banks, mobile network operators (MNOs), NGOs and for-profit firms build new services to seize the opportunity to reach the large unbanked population, they must take time to understand the needs of customers. Even within a country, there are distinct differences in customer needs in urban and rural areas, and across segments. This has the potential to unlock a large **untapped** market. This opportunity has attracted several new players ranging from MNOs and start-ups to companies from adjacent industries such as retail, each trying its own business model to succeed in this new world. The **influx** of so many players and services has created confusion for customers, lack of coordination among players and limited scale for a single company. History tells us that after the initial stage of confusion, the dust eventually settles down as a few winners emerge.

136. What does the author mean by 'unbanked customer'?
- (a) Not having access to the services of a bank.
(b) A person who buys goods or services from a financial institution.
(c) A customer of a specified kind with whom one has to deal.
(d) Both 2 and 3
(e) Other than given options.
137. Which of the following is possibly the most appropriate title for the passage?
- (a) Progress on banking
(b) Banking in the future
(c) Mobile banking
(d) Integration between e-commerce firms and banks
(e) Instant banking
138. Which of the following is most SIMILAR in meaning of the word given in bold as used in the passage? UNTAPPED
- (a) Final (b) Fresh
(c) Concluding (d) Latest
(e) Last

139. Which of the following is most OPPOSITE in meaning of the word given in bold as used in the passage? INFLUX
- (a) Invasion (b) Enlargement
(c) Advance (d) Incline
(e) Ebb
140. Which of the following is/are true according to the passage?
- (a) With each passing day, banking is becoming narrower.
(b) Smart users today have round-the-clock access to their bank accounts and carry their back in their pockets.
(c) Only limited customers can avail all services of bank.
(d) All of the above
(e) None of these

COMPUTER KNOWLEDGE

141. When sending an e-mail, the ... line describe the contents of the message
- (a) Subject (b) To
(c) Contents (d) CC
(e) None of these
142. All the deleted files go to
- (a) Recycle bin (b) Task bar
(c) Tool bar (d) My computer
(e) None of these
143. You organise files by storing them in
- (a) Archives (b) Folders
(c) Indexes (d) Lists
(e) None of these
144. A website address is a unique name that identifies a specific ___ on the web
- (a) Web browser (b) Website
(c) PDA d) Link (e) None of these
145. _____ are specially designed computer chips that reside inside o ther devices, such as your car or your electronic thermostat
- (a) Servers (b) Embedded computers
(c) Robotic computers (d) Mainframes
(e) None of these
146. Which of the following places the common data elements in order from smallest to largest?
- (a) Byte, Bit, Character, file, record, field, database
(b) Character, record, field, file, database
(c) Character, field, record, file, database \
- (d) Bit, byte, character, record, field, file, database
(e) None of these
147. A disk's content that is recorded at the time of manufacture and that cannot be changed or erased by the user is
- (a) Memory only (b) Write only
(c) Read only (d) Run only
(e) None of these
148. An error in a computer program
- (a) Crash (b) Power Failure
(c) Bug (d) Virus
(e) None of these

149. Distributed processing involves
- solving computer component problems from a different computer
 - solving computing problems by breaking them into smaller parts that are separately processed by different computers
 - allowing users to share files on a network
 - allowing users to access network resources away from the office
 - None of these
150. The operating system determines the manner in which all of the following occurs except
- user creation of a document
 - user interaction with the processor
 - printer output
 - data displayed on the monitor
 - None of these
151. Office LANs that are spread geographically apart on a large scale can be connected using a corporate
- CAN
 - LAN
 - DAN
 - WAN
 - None of these
152. You can keep your personal files/folders in
- My folder
 - My documents
 - My files
 - My text
 - None of these
153. A directory within a directory is called
- Mini Directory
 - Junior Directory
 - Part Directory
 - Sub Directory
 - None of these
154. A compiler translates a program written in a high-level language into
- Machine language
 - An algorithm
 - A debugged program
 - Java
 - None of these
155. A _____ is a unique name that you give to a file of information
- Device letter
 - Folders
 - File name
 - File name extension
 - None of these
156. Hardware includes
- all devices used to input data into a computer
 - sets of instructions that a computer runs or executes
 - the computer and all the devices connected to it that are used to input and output data
 - all devices involved in processing information including the central processing unit, memory and storage
 - None of these
157. A _____ contains specific rules and words that express the logical steps of an algorithm
- Programming language
 - Syntax error
 - Programming structure
 - Logic chart
 - None of these
158. The simultaneous processing of two or more programs by multiple processors is
- multiprogramming
 - multitasking
 - time-sharing
 - multiprocessing
 - None of these
159. The secret code that restricts entry to some programs
- Password
 - Passport
 - Entry code
 - Access code
 - None of these
160. Computers use the _____ number system to store data and perform calculations.
- Binary
 - Octal
 - Decimal
 - Hexadecimal
 - None of these

GENERAL AWARENESS

(With to special reference to Banking)

161. Which is the highest populated state of India?
- Madhya Pradesh
 - Uttar Pradesh
 - Bihar
 - Maharashtra
 - Haryana
162. Who is the head of the panel formed RBI to look into parameters for urban co-operative banks recently?
- Bimal Jalan
 - R Gandhi
 - Urijit Patel
 - YV Reddy
 - None of these
163. Which banks have been designated as Domestic Systemically Important Banks (D-SIBs)?
- ICICI & SBI
 - PNB & SBI
 - HDFC & SBI
 - ICICI & PNB
 - None of these
164. Bhakti Sharma, who is in news recently associated with which sports?
- Swimming
 - Tennis
 - Badminton
 - Volley Ball
 - None of these
165. Consider the following statements:
- Yog Guru Baba Ramdev was appointed as state brand ambassador of Haryana Government
 - It was announced by Minister of Sports and Health of Haryana, Anil Vij
 - Haryana Govt took this decision as it want to promote yoga and ayurveda in Haryana State
- Which of the above statement is/are True
- Only C
 - Both A and C
 - Both A and B
 - All A, B, C
 - None of these

166. Frank Tyson was a cricketer from which country?
 (a) New Zealand (b) England
 (c) West Indies (d) South Africa
 (e) None of these
167. What is the full form of NBFC as used in the financial sector?
 (a) New Banking Finance Company
 (b) National Banking & Finance Corporation
 (c) Non Business Fund Company
 (d) New Business Finance & Credit
 (e) None of these
168. Which of the following fund transfer mechanisms, can be moved from one bank to another and where transaction is settled instantly without being bunched with any other transaction?
 (a) RTGS (b) NEFT
 (c) TT (d) EFT
 (e) MT
169. Lima is the capital of
 (a) Brazil (b) Peru
 (c) Ecuador (d) Colombia
 (e) None of these
170. Where is Buxa National Park located?
 (a) Odisha (b) West Bengal
 (c) Madhya Pradesh (d) Bihar
 (e) Rajasthan
171. English Stephen Constantine has been appointed as the head coach of Indian men's _____ team.
 (a) Hockey (b) Cricket
 (c) Football (d) Badminton
 (e) None of these
172. Banking ombudsmen is appointed by
 (a) SBI (b) Indian Government
 (c) RBI (d) President
 (e) Prime minister
173. Which committee framed the RRB Act?
 (a) Narsimham Committee
 (b) Ashok Mehta Committee
 (c) Sachar Committee
 (d) Shah Nawaz Committee
 (e) None of these
174. Ravindra Jain who passed recently was a
 (a) Politician (b) Singer
 (c) Author (d) Music Composer
 (e) None of these
175. Base rate is the rate below which no bank can allow their lending to anyone. Who set up this base rate for banks?
 (a) Individual Banks Boards (Correct Answer)
 (b) Ministry of Commerce
 (c) Ministry of Finance
 (d) RBI
 (e) Interest Rate Commission of India
176. Where is the Head-quarter of Indian Bank?
 (a) Chennai (b) Mumbai
 (c) Delhi (d) Bengaluru
 (e) Hyderabad
177. Many a times, we read in newspaper that the RBI has revised certain rates/ratios under LAF. What is full form of LAF?
 (a) Legal Adjustment Facility
 (b) Liquidity Adjustment Facility
 (c) Longterm Achievement Facility
 (d) Legal Adjustment Formality
 (e) None of these
178. What is KVP lock period?
 (a) 36 Months (b) 48 Months
 (c) 24Months (d) 30 Months
 (e) 40 Months
179. Which of the following statement is true about the Competition Commission?
 1. The Competition has been established to prevent practices which do not support healthy business competition.
 2. The Commission will have five members including the chairman
 3. The Commission has to ensure that the financial operation of any business entity does not get concentrated in the hands of few people.
 (a) Only 1 (b) Only 2
 (c) Only 3 (d) All of them
 (e) None of them
180. What is the cost of Delhi National Memorial Cost?
 (a) 100 crore (b) 1000 crore
 (c) 500 crore (d) 250 crore
 (e) None of these
181. RuPay is launched by
 (a) RBI (b) Finance Ministry
 (c) SBI (d) NPCI
 (e) None of these
182. The _____ committee on minimum alternate tax (MAT) has recommended to the finance ministry that the levy shouldn't be imposed for the period preceding Apr 1, 2015.
 (a) Altamas Kabir (b) HL Dattu
 (c) AP Shah (d) Rajendra Mal Lodha
 (e) Mukul Mudgal
183. India got its first private bank in 11 years as the Bandhan Bank commenced operations on 23 Aug with 501 branches. What is the punch line of the bank?
 (a) Apna Bhala, Aapki Bhalai
 (b) Aapka Bhala, Sabki Bhalai
 (c) Banking the Unbanked
 (d) Khayal Aapka
 (e) None of these

184. Where is BIS (Bank for International Settlements) located?
 (a) Switzerland (b) USA
 (c) UK (d) India
 (e) None of these
185. Who won the 100m gold at World Championships 2015 held in Beijing on 23 Aug?
 (a) Su Bingtian (b) Usain Bolt
 (c) Andre de Grasse (d) Trayvon Bromell
 (e) Justin Gatlin
186. Where is the headquarters of Central bank of India located?
 (a) New Delhi (b) Mumbai
 (c) Pune (d) Bangalore
 (e) None of these
187. Which IT firm in India has unveiled three new service lines called Aikido, a combination of three words - Ai, Ki and Do, which in Japanese mean combining, spirit and path/way?
 (a) Wipro (b) TCS
 (c) Infosys (d) Tech Mahindra
 (e) HCL
188. The _____ committee on minimum alternate tax (MAT) has recommended to the finance ministry that the levy shouldn't be imposed for the period preceding Apr 1, 2015.
 (a) Altamas Kabir (b) HL Dattu
 (c) AP Shah (d) Rajendra Mal Lodha
 (e) Mukul Mudgal
189. Bad advances of a bank are called
 (a) standard accounts
 (b) book debt
 (c) non performing assets
 (d) out of order account
 (e) overdrawn accounts
190. 'FLASHremit' service to offer an instant bank transfer service to the Indians residing in the Gulf nation has been launched by which bank in association with UAE exchange?
 (a) HDFC bank (b) SBI
 (c) Axis bank (d) ICICI bank
 (e) None of these
191. Betla national park is located at?
 (a) Jharkhand (b) West Bengal
 (c) Madhya Pradesh (d) Kerala
 (e) None of these
192. Federal Reserve is the Central Bank of which country?
 (a) France (b) China
 (c) Germany (d) United States of America
 (e) None of these
193. Who is the author of the book "India Shashtra: Reflection of the Nation in Our Time"?
 (a) Arvind Kejriwal (b) Manmohan Singh
 (c) Shashi Tharoor (d) LK Advani
 (e) none of these
194. Which film got most of the awards in BAFTA Awards 2015?
 (a) Birdman
 (b) The Grand Budapest Hotel
 (c) The Imitation Game
 (d) The Theory of Every Thing
 (e) Boyhood
195. What is India's ranking in World Press Freedom Index (WPFI) 2015?
 (a) 96th (b) 121st
 (c) 136th (d) 145th
 (e) 130th
196. Which committee was constituted for recommendations on bringing reforms in central public sector enterprises (CPSEs)?
 (a) Roongta committee
 (b) Mathur Committee
 (c) Vishwanathan committee
 (d) Madhava Menon committee
 (e) None of these
197. Who has been conferred with Khushwant Singh Memorial Prize for Poetry?
 (a) Keki N. Daruwalla
 (b) Joy Goswami
 (c) Ranjit Hoskote
 (d) Arundhati Subramaniam
 (e) None of these
198. _____ signed 50:50 Joint Venture for TV Commerce with DEN Network
 (a) Flipkart (b) Snapdeal
 (c) Myntra (d) Ebay
 (e) Olx
199. Many a times, we read about Special Drawing Right (SDR) in newspapers. As per its definition, SDR is a monetary unit of the reserve assets of which of the following organizations/agencies?
 (a) World Bank
 (b) International Monetary Funds (IMF)
 (c) Asian Development Bank
 (d) Reserve Bank of India
 (e) None of these
200. Nationalizations of banks aimed at all of the following except
 (a) Provision of adequate credit for agriculture, SME & Exports
 (b) Removal of control by a few capitalists
 (c) provision of credit to big industries only (Correct Answer)
 (d) Access of banking to masses
 (e) Encouragement of a new class of entrepreneurs

HINTS & SOLUTIONS

1. (e)

From statement I

going to [a party] → la [fa] qu [tu]

(For) [a party] → [fa] [me] [tu]

from statement II

[start] the party → tu [Co] ra

going to start → qu [Co] la

From both the statements

The code for party is tu

2. (d)

From statement I

According to Amita, Priya is travelling on Wednesday, Thursday or Friday.

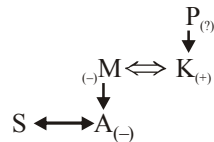
According to Rohit, Priya is travelling on Tuesday, Wednesday or Thursday.

From both the statements

Priya is travelling on Wednesday or Thursday.

3. (d)

From both the statements



The sex of P is not known

The data in both statements are not sufficient to answer the question.

4. (e)

From both the statements

Monday ⇒ Crash

Tuesday ⇒ Ice Age/Notting Hill

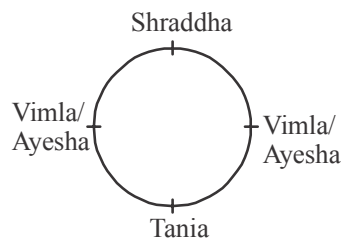
Wednesday ⇒ Ice Age/Notting Hill

Thursday ⇒ Social Network

So data in both statements are sufficient to answer the question.

5. (d)

From both the statements



So data in both statements are not sufficient to answer the question.

(6-10):

After careful analysis of the given input and various steps of arrangement it is evident that in each step one word and one number are rearranged. The words are rearranged from the left in alphabetical

order but in reverse order while the numbers are rearranged in descending order from the right.

(6-7) :

Input : always 19 give 21 84 for 62 14 worthy cause

Step I : worthy always 19 give 21 for 62 14 cause 84

Step II : worthy give always 19 21 for 14 cause 62 84

Step III : worthy give for always 19 14 cause 21 62 84

Step IV : worthy give for cause always 14 19 21 62 84

6. (d) Option (d) is the Step III.

7. (c) Four steps are needed to complete the arrangement.

(8-10) :

Input : 50 62 tips on 67 how can 42 stay young 17 89 forever 03

Step I : young 50 62 tips on 67 how can 42 stay 17 forever 03 89

Step II : young tips 50 62 on how can 42 stay 17 forever 03 67 89

Step III : young tips stay 50 on how can 42 17 forever 03 62 67 89

Step IV : young tips stay on how can 42 17 forever 03 50 62 67 89

Step V : young tips stay on how forever can 17 03 42 50 62 67 89

Step VI : young tips stay on how for ever can 03 17 42 50 62 67 89

8. (a) It is Step III.

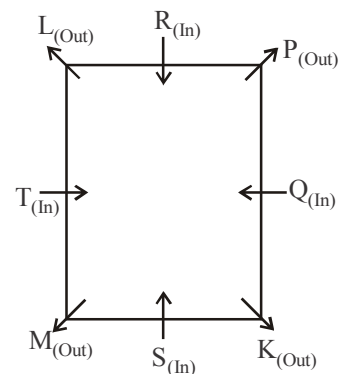
9. (b) 42 is at the fifth position from the right end in Step V.

10. (a) Option (a) is the last step.

11. (e) Statement (e) weakens the argument in the passage because heavy compromise on quality and standards of their back office jobs. contradicts the argument.

12. (c) Outsourcing from the West would sender thousands of Indians unemployed.

13. (c) Statement (c) can be easily inferred from the facts given is passage.

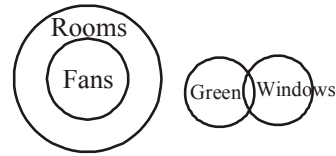


14. (d) M is second to the left of L.

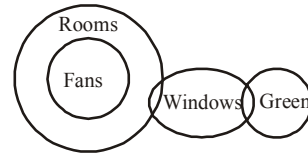
15. (b) P sits exactly between Q and R.

16. (e) Q faces T and both are sitting in the middle of the sides.
 17. (c) P and Q.
 18. (b) Q would sit to the immediate right of K.
 19. (e) Except R, all others are seated at the corners.
 20. (b) Statement (C) is the effect.
 21. (e) Statement (A) is the cause.
 22. (e) Statement (D) is an assumption.
 23. (e) Statement (E) contradicts the facts stated in the paragraph.
 24. (c) Shortage of electricity can only be faced with saving in electricity. So argument I seems to be strong. Argument II is also strong because every citizen is paying every single unit of electricity so he/she has right to consume it. Argument III seems to be weak because government can easily manage restricted use of electricity.
 25. (c) Statement (c) would weaken the findings that some of the patients did not respond to the traditional drug meant for malaria.
 26. (e) Data given in conclusion (e) is in favour of findings given in the statement.
 27. (c) Statement (c) is just opposite of findings given in statement because the organisations where employees are allowed to use cell phones their work-efficiency is reduced considerably.
 28. (d) If sugar is not supplied to largest food beverage and pharma companies the stock of sugar will improve and prices will come down.

31. (c)



Or

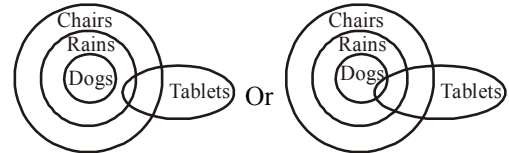


Conclusions:

- I. (False)
 II. (False)
 III. (False)
 IV. (True)

So only conclusion IV follows.

32. (e)



Conclusions:

- I. (True)
 II. (True)
 III. (False)
 IV. (True)

So only conclusion I, II and IV follows.

33. (e)



Conclusions:

- I. (False)
 II. (True) Conversion of the second premise
 III. (False)
 IV. (False)

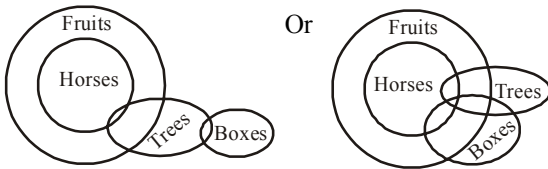
(34-38) :

| Students | Institute | Specialization |
|-------------|-----------|----------------|
| Ashwin | M | Finance |
| Devika | L | Marketing |
| Baljit | J | HR |
| Chandrakant | K | HR |
| Urmila | T | Finance |
| Nagesh | R | Marketing |
| Pranjali | F | HR |

34. (d) 35. (a) 36. (b)

37. (e) 38. (c)

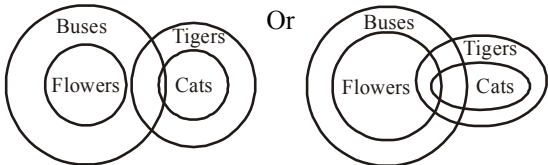
29. (c)



Conclusions:

- I. (False)
 II. (True)
 III. (False)
 IV. (False)
- } Either

30. (e)



Conclusions:

- I. (True)
 II. (False)
 III. (False)
 IV. (True)

So only conclusion I & IV follows.

(39-43):

| Person | Boarding station | Leaving station |
|--------|------------------|-----------------|
| A | IV | V |
| B | Base or I | III |
| C | Base or I | V |
| D | Base or I | III |
| E | Base | IV |
| F | Base or I | II |
| G | Base or I | V |

39. (c) 40. (d) 41. (d)

42. (c) 43. (b)

44. (b) Sixth to the right of 14th from the right end means 8th from right.

.....D \$ 6 E N F 8 U H @

↑
 8th from right

45. (d) NoConsonant Consonant Symbol

Such combinations are :

7W%, 3D\$, UH@

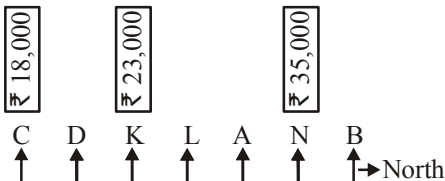
46. (a) 8th to the left of 16th from left means 8th from the left.

R 4 T M 7 W % J 9 5 I

|
 8th from left

47. (e) Obviously, option (e) justifies the given fact. People generally prefer small quantity of product at a time so the product in form of sachet is more popular in consumers. Consumers think it is better to consume the ingredients at once. So sale of product also increases.

(48 – 50):



48. (c) A and L earn more than ₹ 23,000 but less than ₹ 35,000.

49. (a) D earns more than ₹ 18,000 but less than ₹ 23,000. So, D may earn ₹ 21,000.

50. (d) L earns more than K but less than A.

51. (e) From statement I,

Let the number of students in the institutes A and B be $3x$ and $4x$ respectively. However we get no conclusive answer by using data given in all the statements.

52. (c) From statements I and II, Let Mr. X's monthly income = ₹ x . Then

$$\frac{15 \times x}{100} = 4500$$

$$\Rightarrow x = \frac{4500 \times 100}{15} = ₹ 30000$$

From statements I and III,

$$x \times \frac{4}{5} \times \frac{85}{100} = 20400$$

$$\Rightarrow x = \frac{20400 \times 5 \times 100}{4 \times 85}$$

$$= ₹ 30000$$

53. (a) From Statements I and III, Let Suchitra's son's present age be x years. \therefore Suchitra's present age

$$= 2x \text{ years}$$

After 4 years,

$$\frac{2x + 4}{x + 4} = \frac{13}{24}$$

We can get the required answer by this relation.

So statement II is not required.

54. (d) From all three statements, Seeta's investment

$$= ₹ \left(\frac{3}{8} \times 2.5 \right) \text{ lakh}$$

$$= ₹ 93750$$

Geeta's investment

$$= ₹ 156250$$

Ratio of Neeta's, Seeta's and Geeta's profit

$$= 85000 \times 24 : 93750 \times 18 : 156250 \times 18$$

We can get the share of Neeta if total profit is given.

So data given in all three statements is required to answer the question.

55. (d) Let the marked price of the article be ₹ x .

From statement II,

$$\frac{95 \times x}{100} = 608$$

$$\Rightarrow x = \frac{608 \times 100}{95} = ₹ 640$$

From statements I and III,

$$\text{Marked price} = \frac{128 \times 500}{100}$$

$$= ₹ 640$$

So statement II is sufficient to give the answer.

56. (b) Required average price

$$= \frac{750 \times 25 + 600 \times 45}{1350}$$

$$= ₹ \left(\frac{18750 + 27000}{1350} \right) \text{ per kg}$$

$$\approx ₹ 34 \text{ per kg}$$

57. (d) Required cost price

$$= ₹ \left(800 \times \frac{90}{100} \times 80 \right)$$

$$= ₹ 57600$$

58. (a) Total cost of entire quantity of sugar = $(350 \times 30 + 350 \times 30 \frac{120}{100})$
 $= ₹ (10500 + 12600) = ₹ 23100$

59. (e) Required cost
 $= ₹ (500 \times 80 + 400 \times 60)$
 $= ₹ 64000$

60. (c) Total cost of coriander sold
 $= ₹ \left(600 \times \frac{92}{100} \times 70 \right)$
 $= ₹ 38640$

(61-65):

Total Number of students = 280

Number of students who passed Maths = 185

Number of students who passed Physics = 210

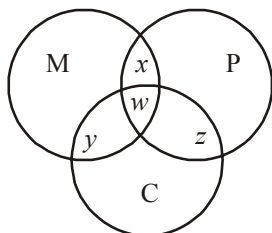
Number of students who passed Chemistry = 222

Students who passed in Maths and physics = 180

Students who passed in Maths and Chemistry = 175

Students who passed in Physics and Chemistry = 200

Number of students who passed in atleast one subject = $280 - 47 = 233$



$x + w = 180$ (i)

$w + z = 200$ (ii)

$w + y = 175$ (iii)

$M + x + w + y = 185$ (iv)

$P + x + w + z = 210$ (v)

$C + y + w + z = 222$ (vi)

$M + P + C + y + x + z + w = 233$ (vii)

By (iv) + (v) + (vi) - (vii),

$x + y + z + 2w = 384$ (viii)

by (i) + (ii) + (iii),

$x + y + z + 3w = 555$ (ix)

By (ix) - (viii),

$w = 171$

From equation (i),

$x = 9$

From equation (ii),

$z = 200 - 171 = 29$

From equation (iii),

$y = 175 - 171 = 4$

$M = 185 - 4 - 9 - 171 = 1$

$P = 210 - 9 - 171 - 29 = 1$

$C = 222 - 4 - 29 - 171 = 18$

61. (a) Number of students passed in Chemistry only = 18

62. (d) Number of students who have passed in all three subjects = 171

63. (a) Number of students who failed in Physics and Maths = $47 + 18 = 65$

64. (d) Number of students who passed in Maths but failed in both Physics and Chemistry = 1

65. (b) Required answer
 $= x + y + z + w$
 $9 + 29 + 4 + 171 = 213$

66. (a) Charu has scored minimum marks both in Sanskrit and Social Studies.

Vishal has scored minimum marks in Science, Physical Education and Hindi.

67. (c) Total marks obtained by :
 Deepak $\rightarrow 65 + 62 + 69 + 81 + 70 + 40 + 50 = 437$
 Charu $\rightarrow 64 + 78 + 74 + 63 + 55 + 25 + 53 = 412$
 Anupama $\rightarrow 85 + 95 + 87 + 87 + 65 + 35 + 71 = 525$
 Garima $\rightarrow 92 + 82 + 81 + 79 + 49 + 30 + 61 = 474$
 Bhaskar $\rightarrow 72 + 97 + 55 + 77 + 62 + 41 + 64 = 468$

68. (e) Required percentage

$= \frac{437}{600} \times 100 = 72.83$

69. (d) Marks obtained by Charu in Hindi = 64
 Marks obtained by Anupama in Hindi = 85
 Required percentage

$= \frac{64}{85} \times 100 = 75.29$

70. (b) Average marks obtained in Science

$= \frac{65 + 62 + 55 + 70 + 49 + 44}{6}$
 $= \frac{345}{6} = 57.5$

71. (e) The given series is based on the following pattern :

104 109 99 114 94 119
 $\uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow$
 $+5 \quad -10 \quad +15 \quad -20 \quad +25$

Hence, 119 will come in place of the question mark.

72. (c) The given series is based on the following pattern :

980 392 156.8 62.72 25.088 10.0352
 $\uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow$
 $\div 2.5 \quad \div 2.5 \quad \div 2.5 \quad \div 2.5 \quad \div 2.5$

Hence, 62.72 will come in place of the question mark.

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

14 16 35 109 441 2211
 $\uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow$
 $\times 1+2 \quad \times 2+3 \quad \times 3+4 \quad \times 4+5 \quad \times 5+6$

Hence, 2211 will come in place of the question mark.

74. (a) The given series is based on the following pattern :
 Numbers are cubes of consecutive prime numbers.
 i.e.

$11^3 = 1331$

$13^3 = 2197$

$17^3 = 4913$

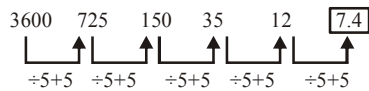
$19^3 = 6859$

$23^3 = 12167$

$29^3 = 24389$

Hence, 12167 will come in place of the question mark.

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



Hence, 7.4 will come in place of the question mark.

76. (d) Let the original fraction is $\frac{a}{b}$.

According to question,

$$\frac{a + \frac{350}{100} \times a}{b + \frac{300}{100} \times b} = \frac{9}{22}$$

$$\Rightarrow \frac{4.5a}{4b} = \frac{9}{22}$$

$$\Rightarrow \frac{a}{b} = \frac{9}{22} \times \frac{4}{4.5} = \frac{4}{11}$$

77. (e) Let breadth of rectangular plot is b cm length of rectangular plot, $l = 3b$

$$l \times b = 6075$$

$$\Rightarrow 3b^2 = 6075$$

$$\Rightarrow b^2 = 2025$$

$$\Rightarrow b = 45$$

$$\text{Length of plot} = 3 \times 45 \text{ cm} = 135 \text{ cm}$$

78. (d) Let her monthly salary be ₹ x .

According to the question,

$$\frac{7}{100} \times x = 2170$$

$$\Rightarrow x = \frac{2170 \times 100}{7} = ₹31000$$

$$\text{Total monthly investment} = (18 + 6 + 7)\% \text{ of } 31000$$

$$= \frac{31}{100} \times 31000 = 9610$$

$$\text{Total annual investment} = 12 \times 9610 = ₹ 115320$$

79. (b) 'PRIDE' has five different letters.

So, it can be arranged in $5! = 120$ ways

80. (d) Let present ages of Samir and Tanuj are $8x$ and $15x$ years respectively.

$$\text{Difference between their ages} = 15x - 8x = 7x$$

Ratio of ages after 9 years,

$$\frac{8x+9}{15x+9} = \frac{11}{18}$$

$$\Rightarrow 144x + 162 = 165x + 99$$

$$\Rightarrow 21x = 63 \Rightarrow x = 3$$

$$\text{Difference between their ages} = 7x = 21 \text{ years}$$

81. (e) I. $\Rightarrow p^2 + 3p + 2p + 6 = 0$

$$\Rightarrow p(p+3) + 2(p+3) = 0$$

$$\Rightarrow (p+3)(p+2) = 0$$

$$\Rightarrow p = 2 \text{ or } -3$$

$$\text{II. } \Rightarrow q^2 + q + 2q + 2 = 0$$

$$\Rightarrow q(q+1) + 2(q+1) = 0$$

$$\Rightarrow (q+1)(q+2) = 0$$

$$\Rightarrow q = -1 \text{ or } -2$$

Obviously $p \leq q$

82. (d) I. $\Rightarrow p = \pm 2$

$$\text{II. } \Rightarrow q^2 + 2q + 2q + 4 = 0$$

$$\Rightarrow q(q+2) + 2(q+2) = 0$$

$$\Rightarrow (q+2)(q+2) = 0$$

$$\Rightarrow q = -2$$

Obviously $p \geq q$

83. (b) I. $p^2 + p - 56 = 0$

$$\Rightarrow p^2 + 8p - 7p - 56 = 0$$

$$\Rightarrow p(p+8) - 7(p+8) = 0$$

$$\Rightarrow (p+8)(p-7) = 0$$

$$\Rightarrow p = 7 \text{ or } -8$$

$$\text{II. } q^2 - 8q - 9q + 72 = 0$$

$$\Rightarrow q(q-8) - 9(q-8) = 0$$

$$\Rightarrow (q-8)(q-9) = 0$$

$$\Rightarrow q = 8 \text{ or } 9$$

Obviously $p < q$

84. (a) We have,

$$3p + 2q = 58 \quad \dots (i)$$

$$4p + 4q = 92$$

$$\Rightarrow 2p + 2q = 46 \quad \dots (ii)$$

By (i), (ii) we get $p = 12$

$$\text{From (i), } 3 \times 12 + 2q = 58$$

$$\Rightarrow 2q = 58 - 36 = 22$$

$$\Rightarrow q = 11$$

Hence, $p > q$

85. (b) I. $\Rightarrow 3p^2 + 15p + 2p + 10 = 0$

$$\Rightarrow 3p(p+5) + 2(p+5) = 0$$

$$\Rightarrow (p+5)(3p+2) = 0$$

$$p = -5 \text{ or } -\frac{2}{3}$$

$$\text{II. } \Rightarrow 10q^2 + 5q + 4q + 2 = 0$$

$$\Rightarrow 5q(2q+1) + 2(2q+1) = 0$$

$$\Rightarrow (2q+1)(5q+2) = 0$$

$$\Rightarrow q = -\frac{1}{2} \text{ or } -\frac{2}{5}$$

Hence, $p < q$

86. (a) Required ratio = $40 : 35 = 8 : 7$

87. (b) Required average

$$= \left(\frac{15+25+30+40+15+10}{6} \right) \text{thousand}$$

$$= \frac{135}{6} = 22.5 \text{ thousand}$$

88. (c) Required percentage increase

$$= \frac{25-10}{10} \times 100 = 150$$

89. (e) Laptops manufactured by Apple, Lenovo and Samsung in 2013 = $15 + 40 + 25 = 80$ thousand

Laptops manufactured by Dell, HP and Abascus in 2014 Required = $15 + 25 + 35 = 75$ thousand

Difference = 5000

90. (a) Abascus $\Rightarrow 35000$

91. (a) $7072 \div \left(\frac{884 \times 16}{100} \right) = 30 \times \frac{13}{12} \times \frac{?}{39}$

$$\Rightarrow 7072 \div 141.44 = \frac{5 \times ?}{6}$$

$$\Rightarrow 50 \times 6 = 5 \times ?$$

$$\Rightarrow ? = \frac{50 \times 6}{5} = 60$$

92. (a) $(3375)^6 \div (15)^{10} \div (225)^7 = (15)^{? - 6}$

$$\Rightarrow ((15)^3)^6 \div (15)^{10} \div (15^2)^7 = (15)^{? - 6}$$

$$\Rightarrow 15^{18-10-14} = (15)^{? - 6}$$

$$\Rightarrow -6 = ? - 6$$

$$\Rightarrow ? = 0$$

93. (b) $\frac{1478.4}{56} + 66.8 \times 57 = ? \times 3 + 34 \times 34.5$

$$\Rightarrow 26.4 + 3807.6 = ? \times 3 + 1173$$

$$\Rightarrow 3834 - 1173 = ? \times 3$$

$$\Rightarrow ? \times 3 = 2661$$

$$\Rightarrow ? = 887$$

94. (c) $(13 + 2\sqrt{5})^2 = ? \times \sqrt{5} + 189$

$$\Rightarrow 169 + 20 + 2 \times 13 \times 2\sqrt{5} = ? \times \sqrt{5} + 189$$

$$\Rightarrow 189 + 52 \times \sqrt{5} = ? \times \sqrt{5} + 189$$

$$\Rightarrow ? = 52$$

95. (d) $0.22 + 0.0054 = ? - 313.06$

$$\Rightarrow 0.2254 + 313.06 = ?$$

$$\Rightarrow ? = 313.2854$$

96. (b) If total maximum marks be x , then,

$$\frac{x \times 64}{100} = 2240 - 128 = 2112$$

$$\Rightarrow ? = \frac{2112 \times 100}{64} = 3300$$

$$\text{Marks obtained by Meena} = 2240 - 907 = 1333$$

$$\text{Required percentage} = \frac{1333}{3300} \times 100 \approx 40$$

97. (c) Total possible outcomes = ${}^{17}C_5$

$$= \frac{17 \times 16 \times 15 \times 14 \times 13}{1 \times 2 \times 3 \times 4 \times 5} = 6188$$

$$\text{Total favourable outcomes} = {}^8C_2 \times {}^4C_1 \times {}^5C_2$$

$$= \frac{8 \times 7}{1 \times 2} \times 4 \times \frac{5 \times 4}{1 \times 2} = 28 \times 4 \times 10 = 1120$$

$$\text{Required probability} = \frac{1120}{6188} = \frac{280}{1547}$$

98. (d) A's salary = ₹ $8x$ and B's salary = ₹ $9x$

$$\frac{8x \times 150\%}{9x \times 75\%} = \frac{16}{9}$$

$$\Rightarrow \frac{8x \times 150}{9x \times 75} = \frac{16}{9}$$

$$\Rightarrow \frac{12x}{27x} = \frac{16}{9} \Rightarrow \frac{48}{27} = \frac{16}{9}$$

Hence, A's salary cannot be determined.

99. (a) Percentage increase in the consumption

$$= \frac{10}{100 - 10} \times 100 = \frac{100}{9} = 11\frac{1}{9}\%$$

100. (b) $\frac{3}{5} + \frac{4}{7} = \frac{21 + 20}{35} = \frac{41}{35}$ and $\frac{4}{5} + \frac{3}{7} = \frac{28 + 15}{35} = \frac{43}{35}$

101. (b) 102. (c) 103. (a) 104. (d) 105. (b)

106. (d) 107. (e) 108. (d) 109. (b) 110. (a)

111. (b) 112. (d) 113. (e) 114. (c) 115. (a)

116. (a) 117. (b) 118. (c) 119. (d) 120. (e)

121. (d) 122. (e) 123. (c) 124. (a) 125. (b)

126. (e)

127. (d) 'Mushrooming' should be used-which would serve as an adjective.

128. (c) 'Are' should replace 'is'- verb should agree with 'bulbs'

129. (b) 'By' should replace 'with' - which means 'by the way of'

130. (e)

131. (b) 'Make up' would mean create by altering or modifying such as 'making up a story.' 'Puts up' is also an incorrect expression here as it means 'stays' 'Toil up' is again incorrect option as it means to put hard work into. Option (b) 'conjugates' is the right answer which means 'to recall.'

132. (a) 'Sturdy' means 'with strong built up', 'wobbly' means 'unsteady', 'herculean' means 'having great strength.', 'handsome' means 'good looking.' Option (a) is the most appropriate here as a horseman is generally visualized as the one having strong built up.

133. (c) Since the sentence talks about communist rulers 'taking over', option (c) 'imposing' which means 'to thrust.'

134. (d) 'Amplify' and 'stretch' both mean an increase. 'Die' would be a little extreme word here. 'Recede' which means 'to move back' matches up with the word background used in the sentence.

135. (d) The correct tense form here would be option (d) i.e.; 'were.'

136. (a) 137. (c) 138. (b) 139. (e) 140. (e)

141. (b) 142. (a) 143. (b) 144. (d) 145. (b)

146. (c) 147. (c) 148. (d) 149. (b) 150. (b)

151. (d) 152. (b) 153. (d) 154. (a) 155. (d)

156. (d) 157. (a) 158. (a) 159. (a) 160. (a)

161. (b) 162. (b) 163. (a) 164. (a) 165. (d)

166. (b) 167. (b) 168. (a) 169. (b) 170. (b)

171. (c) 172. (c) 173. (a) 174. (d) 175. (a)

176. (a) 177. (a) 178. (d) 179. (d) 180. (c)

181. (d) 182. (c) 183. (b) 184. (a) 185. (b)

186. (b) 187. (c) 188. (c) 189. (c) 190. (d)

191. (a) 192. (d) 193. (c) 194. (e) 195. (c)

196. (a) 197. (d) 198. (b) 199. (b) 200. (c)