

IBPS Clerk Preliminary

Number of Questions: 100

Marks: 100

Time: 1 Hour

TEST - I: ENGLISH LANGUAGE

Directions (Q. 1-5) : Which of the phrases (1), (2), (3) and (4) given below should replace the phrase given in bold in the following sentence to make the sentence meaningful and grammatically correct. If the sentence is correct as it is and 'No correction is required', mark (5) as the answer.

1. **Unless the government monitored** the loan waiver scheme well, it is likely to be a success.
(1) For the government to monitor (2) Unless the government monitors
(3) Though the government monitored (4) If the government monitors
(5) No corrections required
2. The main objective of hiring this consultant is **in assessing that** this data can be computerized.
(1) assessing that (2) as assessment of (3) to assess how (4) for assessing that when
(5) No corrections required
3. **The designs finally** ready and we shall submit them for approval tomorrow, well before the specified deadline.
(1) designs finally will be (2) designs are finally
(3) final designs (4) designing finally
(5) No correction required
4. Most irrigation projects **have delayed due to** lack of adequate government funding.
(1) have been delayed from (2) will be delayed for
(3) were delayed due to (4) are delayed because of
(5) No correction required
5. Many Indian companies import components from China as **they are cheap** compared to those manufactured locally.
(1) as they are cheap as (2) because it is cheaper
(3) since these are cheaper (4) which is cheap
(5) No correction required

Directions (Q. 6-12) : Read the following passage carefully and answer the questions given below it.

Anyone who forms his own opinions and beliefs will feel that he owes no responsibility to the majority for his conclusions. If he is a genuine lover of truth, if he is inspired by a passion for seeing things as they are and a detestation of holding ideas which do not conform to facts, he will be wholly independent of the acquiescence of those around him. When he proceeds to 'apply his beliefs' in the practical conduct of life, the position is different. There are then good reasons why his attitude should be less rigid. The society in which he is placed is an ancient and composite growth. The people from whom he dissents have not come by their opinions and institutions by a process of mere haphazard. These opinions and customs all had their origin in a certain real or supposed fitness. They have a certain depth of root in the lives of a proportion of the existing generation. Their fitness for satisfying needs may have misplaced, and their congruity with one another may have come to an end. That is only one side of the truth. The most passionate propagandist cannot penetrate to them.

In common language we speak of a generation as something possessed of a kind of exact unity, with all its parts and members homogeneous. Yet plainly it is not this. It is a whole, but a whole in a state of constant flux, its factors and elements are eternally shifting. It is not one, but many generations. Each of the seven ages of man is neighbour to all the rest. The column of the veterans is already sinking into the last abyss, while the column of the newest recruits is forming. To its tradition, the tendency and its possibilities, only a proportion of each can have nerve enough to grasp the banner of a new truth and endurance to bear it along rugged and untrodden ways. Then we must remember the substance of which life is made. We must consider what an overwhelming preponderance of the most persistent energies and most concentrated interests of a society must be absorbed between material cares and the solitude of the affections. It is obviously unreasonable to lose patience and quarrel with one's time because it is tardy in throwing off its institutions and beliefs; and slow to achieve the transformation which is the problem in front of it. Men and women have to live. The task for most of us is hard enough to make us well pleased with even such imperfect shelter as we find in daily use and customs. To insist on a whole community being made at once to submit to the supremacy of new practices and ideas that have just begun to acclaim themselves to the most advanced speculative intelligence of the time. This, even if it were a possible process, would do much to make life impracticable and to hurry on social dissolution.

6. The overnight changes in social settings are not desirable because it will
(1) retard the progress (2) lead to social disintegration
(3) give vitality to social life (4) make a society too narrow to survive

- (5) None of the above
7. The hard task according to author is to
 (A) change the society (B) earn a living (C) change according to times
 (1) Only A and C (2) Only B and C (3) Only A and B (4) Only A (5) Only C
8. The problems which is discussed in the passage reflects
 (1) realist attitude of the author (2) the pessimistic views expressed by a group of people
 (3) a doctrinaire that explains the role of culture (4) making good use of genuine lover of truth
 (5) None of the above
9. Which of the following best describes the phrase 'apply his beliefs' in the practical conduct of life as used in. the passage?
 (1) To indoctrinate what he believes (2) To denounce what he believes
 (3) To preach what is practiced (4) To practice what is preached
 (5) None of the above
10. According to author a generation, which is heterogeneous, should be perceived as
 (1) sum total of the parts of the subsystem (2) a whole which is not a total of the parts
 (3) fragmented group of people (4) individual inter linkages connected through synergy
 (5) None of the above
11. According to the passage, which of the following is true?
 (1) impatience of intellectuals with practical problems is the source of progress
 (2) Day to day concerns dominates the life of most people
 (3) Intellectuals are the leaders of social transformation
 (4) Social change will be slow in the absence of effective leaders
 (5) None of the above
12. According to passage from which of the following do the customs and traditions originate?
 (1) Ignorance of events happening around (2) Leadership prevailing in the contemporary society
 (3) Social utility of the societal set up (4) Conflicts of individuals living in society
 (5) None of the above

Directions (Q. 13-15) : Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

13. In an effort to provide..... for higher education to all, most of the universities have been providing education without adequate infrastructure, thus churning out graduates every year.
 (1) chances, fresh (2) platform, capable
 (3) opportunities, unemployable (4) prospects, eligible
 (5) policy, incompetent
14. The move to allow dumping of mercury an outcry from residents of the area who that high levels of mercury will affect their health and destroy ecologically sensitive forest area.
 (1) resulted, insist (2) provoked, fear (3) incited, determined (4) activated, accept (5) angered, believe
15. Even as the elsewhere in the world are struggling to come out of recession, Indian consumers are splurging on consumer goods and to..... this growth, companies are investing heavily in various sectors.
 (1) economies, meet (2) countries, inhibit
 (3) governments, measure (4) nations, inflict (5) companies, counter

Directions (Q. 16-20) : Read each sentence to find out whether there is any grammatical error in it. The error if any will be in one part of the sentence, the number of that part will be the answer. If there is 'No error' mark (5) as the answer (Ignore errors of punctuation, if any)

16. The journalist alongwith/(1) the camera crew were/(2) kidnapped by the/(3) militants last night./(4) No error. (5)
17. She told her son/(1) to wait in the car/(2) until she does not/(3) return from the shop. /(4) No error. (5)
18. The number of flu cases/ (1) is decreasing slowly,/(2) thanks to the/(3) timely governmental efforts./(4) No error. (5)
19. The principal spotted Indira /(1) which was sitting in/(2) the canteen at the time when/(3) she should be attending the classes./(4) No error. (5)
20. If I will meet/(1) Nayan in the meeting/(2) I will give/(3) him your message. /(4) No error. (5)

Directions (Q. 21-25) : Rearrange the following sentences (A), (B), (C), (D), (E) and (F) to make a meaningful paragraph and then answer the questions which follow.

- (A) A group of media persons have now taken the responsibility of educating people regarding the reality shows.
 (B) This is because these shows are said to be staged, fabricated and directed to improve TRPs.
 (C) The reality shows on TV have been attracting a huge viewership recently.
 (D) Owing to their efforts, the public has now realized the truth behind reality shows and such shows are fast losing their hold.

- (E) Though the name infers 'real', viewers are being exposed to a lot of 'unreal' content.
 (F) The public however is drawn to such contents of the reality shows unaware of this fabrication.
21. Which of the following sentence should be the **FOURTH** after rearrangement?
 (1) C (2) B (3) E (4) F (5) D
22. Which of the following sentence should be the **SIXTH LAST** after rearrangement?
 (1) B (2) D (3) C (4) E (5) A
23. Which of the following sentence should be the **FIRST** after rearrangement?
 (1) A (2) C (3) D (4) E (5) F
24. Which of the following sentence should be the **SECOND** after rearrangement?
 (1) A (2) B (3) C (4) D (5) E
25. Which of the following sentence should be the **THIRD** after rearrangement?
 (1) B (2) C (3) F (4) D (5) A

Directions (Q. 26-30) : 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 have been suggested, one of which fills the blanks appropriately. Find out the appropriate word in each case.

Traditional bank architecture is based on bank branches. These branches ensure the physical (26) of a customer's savings. A customer may go there to deposit and withdraw money, (27) loans and (28) in other financial transactions. In the past two decades banking architecture has changed the Automated Teller Machine (ATM) has been a big (29) and credit and debit cards have created new financial spaces. (30) the bank branches has remained the bedrock of the banking system-after all a person needs a bank account in a branch before he can operate a debit or ATM card.

26. (1) knowledge (2) security (3) presence (4) confidentiality (5) guarantee
 27. (1) negotiate (2) advance (3) credit (4) disburse (5) sanction
 28. (1) pursue (2) interact (3) operate (4) enable (5) engage
 29. (1) drawback (2) hurdle (3) consequence (4) luxury (5) innovation
 30. (1) Despite (2) Although (3) Even (4) Yet (5) Until

TEST - II: QUANTITATIVE APTITUDE

31. The angles of a quadrilateral are in the ratio of 2: 4: 7: 5. The smallest angle of the quadrilateral is equal to the smallest angle of a triangle. One of the angles of the triangle is twice the smallest angle of the triangle. What is the second largest angle of the triangle?
 (1) 80° (2) 60° (3) 120° (4) Cannot be determined
 (5) None of these
32. A shopkeeper sells notebooks at the rate of T 45 each and earns a commission of 4%. He also sells pencil box at the rate of T 80 each and earns a commission of 20%. How much amount of commission will he earn in two weeks if he sells 10 notebooks and 6 pencil boxes a day?
 (1) T 1956 (2) T 1586 (3) T 1496 (4) T 1596 (5) None of these
33. Train A crosses a stationary Train B in 50 sec and a pole in 20 sec with the same speed. The length of the Train A is 240 m. What is the length of the stationary Train B?
 (1) 360 m (2) 260 m (3) 300 m (4) Cannot be determined
 (5) None of the above
34. In a test, minimum passing percentage for girls and boys is 35% and 40%, respectively. A boy scored 483 marks and failed by 117 marks. What are the minimum passing marks for girls?
 (1) 425 (2) 520 (3) 500 (4) 625 (5) None of these
35. 8 men can complete a piece of work in 20 days. 8 women can complete the same work in 32 days. In how many days will 5 men and 8 women together complete the same work?
 (1) 16 (2) 12 (3) 14 (4) 10 (5) None of these
36. The sum of five consecutive even numbers of Set A is 220. What is the sum of a different set of five consecutive numbers whose second lowest number is 37 less than double of the lowest number of Set A?
 (1) 223 (2) 225 (3) 235 (4) 243 (5) None of these
37. The bus fare for one person is T 420 from Agra to Aligarh and train fare between the same places for one person is equals to three-fourth the bus fare for two persons between the same places. What is the total fare paid by 2 persons travelling by bus and 4 persons travelling by train between the two places?
 (1) T 3360 (2) T 3460 (3) T 3440 (4) T 3406 (5) None of these
38. The respective ratio between the speeds of a car, a jeep and a tractor is 3: 5: 2. The speed of the jeep is 250 % the speed of the tractor which covers 360 km in 12 h. What is the average speed of car and jeep together?
 (1) 60km/h (2) 75km/h (3) 40 km/h (4) Cannot be determined

- (5) None of these
39. The area of a square is 1024 sq cm. What is the respective ratio between the length and the breadth of a rectangle whose length is twice the side of the square and breadth is 12 cm less than the side of the square?
 (1) 5 : 18 (2) 16 : 7 (3) 14 : 5 (4) 32 : 5 (5) None of these
40. In an examination there are 30 questions. 1 mark is given for each correct answer and 0.25 is deducted for every incorrect answer. Ankur attempted all the questions and scored 13.75. How many incorrect answers did he have?
 (1) 10 (2) 11 (3) 12 (4) 15 (5) None of these

Directions (Q. 41-45) : Study the following table carefully to answer the questions that follow.

Percentage of Marks Obtained by 5 Students in 3 Subjects			
Subject	Maths (150)	Science (100)	English (50)
Student			
Miloni	94	83	74
Satish	72	88	68
Rachana	86	75	66
Purab	90	61	82
Mansi	68	67	72

Note : Figures in brackets indicate maximum marks in that subject.

41. What are the total marks obtained by Satish in all the subjects together?
 (1) 230 (2) 232 (3) 228 (4) 226 (5) None of these
42. What are the average marks obtained by all the students in Maths?
 (1) 137 (2) 123 (3) 127 (4) 132 (5) None of these
43. What is Miloni's overall percentage in the exam?
 (1) 75 (2) 79 (3) 87 (4) 85 (5) None of these
44. What is the respective ratio of marks obtained by Purab in Science and English together to the marks obtained by Rachana in the same subjects?
 (1) 17 : 18 (2) 11 : 13 (3) 15 : 19 (4) 21 : 23 (5) None of these
45. How many students have scored more than 80% in more than one subject?
 (1) None (2) One (3) Two (4) Three (5) Five

Directions (Q. 46-49) : Study the information carefully to answer the following questions.

A management institute offers MBA with specialization in Marketing, Finance and HR. among the total number of students in the institute 45% are girls. Number of boys studying Marketing is 30% of the total number of boys in the institution which is 297.40% of the girls are studying HR. Number of boys and girls studying Marketing are in the ratio of 3 : 2. 50% of boys are studying Finance.

46. How many girls are studying Finance?
 (1) 288 (2) 198 (3) 324 (4) 495 (5) None of these
47. Number of girls studying Marketing is what per cent of the number of boys studying Finance?
 (1) 20 (2) 35 (3) 50 (4) 65 (5) None of these
48. Number of boys studying Finance is what per cent of the total number of students in the institution?
 (1) 33.33 (2) 27.5 (3) 47.8 (4) 13.98 (5) None of these
49. What is the respective ratio between number of boys and girls studying HR?
 (1) 5 : 9 (2) 15 : 34 (3) 99 : 161 (4) 11 : 18 (5) None of these

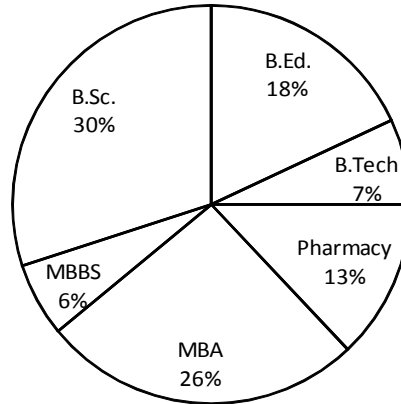
Directions (Q. 50-52) : In the following questions two Equations I and II are given. You have to solve both the equations and Give Answer:

- (1) If $x > y$ (2) if $x = y$ (3) If $x < y$ (4) If $x \neq y$
 (5) If $x = y$ or the relationship cannot be established
50. I.
 II. $(81)^{1/4}y + (343)^{1/3} = 0$

51. I.
 II. $4y^3 = -(589 \div 4) + 5y^3$
52. I. $(x^{7/5} \div 9) = 169 \div x^{3/5}$
 II. $y^{1/4} \times y^{1/4} \times 7 = 273 \div y^{1/2}$

Directions (Q. 53-55) : Study the following Pie-chart carefully to answer these questions.

Percentage Distribution of Students in Different Courses



Total Student = 6500

53. How much more percentage (approximately) of students are in MBA as compared to students in B.Ed?
 (1) 49 (2) 53 (3) 59 (4) 41 (5) 44
54. What is the respective ratio between the number of students in Pharmacy and the number of students in B.Tech?
 (1) 11: 13 (2) 13: 6 (3) 13: 7 (4) 6: 13 (5) None of these
55. Number of students in B.Sc is approximately what percentage of the number of students in B.Ed?
 (1) 167 (2) 162 (3) 157 (4) 153 (5) 150
56. A basket contains three red and four green balls. If four balls are drawn at random from the basket, what is the probability that two are red and two are green?
 (1) (2) (3) (4) (5) None of these
57. 53% of a number is 358 less than square of 26. What is the value of three-fourth of 23% of that number?
 (1) 101 (2) 009.5 (3) 113 (4) 103.5 (5) None of these

Directions (Q. 58-61) : In each of these questions, a number series is given. Below the series one number is given followed by (a) (b), (c), (d) and (e). you have to complete this series following the same logic as in the original series and answer the question that follows.

58. 5 9 25 91 414 2282.5
 3 (a) (b) (c) (d) (e)
 What will come in place of (c) ?
 (1) 63.25 (2) 63.75 (3) 64.25 (4) 64.75 (5) None of these
59. 15 9 8 12 36 170
 19 (a) (b) (c) (d) (e)
 What will come in place of (b) ?
 (1) 18 (2) 16 (3) 22 (4) 24 (5) None of these
60. 7 6 10 27 104 515
 9 (a) (b) (c) (d) (e)
 What will come in place of (d) ?
 (1) 152 (2) 156 (3) 108 (4) 112 (5) None of these
61. 6 16 57 244 1245 7506
 4 (a) (b) (c) (d) (e)
 What will come in place of (d) ?
 (1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these

Directions (Q. 62-65) : What approximate value will come in place of the question mark (?) in the following questions? (you are not expected to calculate the exact value).

62. $7999.99 + 72 \times 49.99 = ?$

- (1) 12000 (2) 12600 (3) 12500 (4) 11600 (5) 11000
63. $(25.01)^2 - (15.99)^2 = ?$
- (1) 361 (2) 381 (3) 369 (4) 375 (5) 356
64. $380 \times 12.25 - 365 \div 15 = ?$
- (1) 4500 (2) 4550 (3) 4800 (4) 4850 (5) 4650
65. $180\% \text{ of } 25501 + 50\% \text{ of } 28999 = ?$
- (1) 62400 (2) 64000 (3) 60400 (4) 64200 (5) 61600

TEST - III: REASONING ABILITY

Directions (Q. 66-70) : In the following questions, the symbols @, %, \$, # and * are used with the following meaning as illustrated below.

'P \$ Q' means 'P is not smaller than Q'.

'P * Q' means 'P is neither smaller than nor equal to Q'.

'P @ Q' means 'P is not greater than Q'.

'P # Q' means 'P is neither greater than nor smaller than Q'.

'P % Q' means 'P is neither greater than nor equal to Q'.

Now in each of the following question assuming the given statements to be true, find which of the two Conclusions I and II given below them definitely true?

Give Answer

- (1) If only Conclusion I is true
 (2) If only Conclusion II is true
 (3) If either Conclusion I or II is true
 (4) If neither Conclusion I nor II is true
 (5) If both Conclusions I and II are true
66. **Statements :** M * T, T \$ K, K # D
Conclusions : I. D % M **II.** M * K
67. **Statements :** R @ J, M # J, D * M
Conclusions : I. D * J **II.** R # M
68. **Statements :** F \$ M, N @ M, N % W
Conclusions : I. F # N **II.** N % F
69. **Statements :** B # J, J @ D, F \$ D
Conclusions : I. B # F **II.** F * B
70. **Statements :** Z % T, T * N, H \$ N
Conclusions : I. H * Z **II.** T * H

Directions (Q. 71-75) : Study the following information to answer the given questions.

Eight people 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 (but not necessarily in the same order) and all of them are facing south. In row 2 - E, F, G and H are seated (but not necessarily in the same order) 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.

G sits second to right of E. The one who faces E sits to the immediate right of C. A faces the immediate neighbour of E. H sits to immediate left of the person who faces D. H does not sit at an extreme end of the line.

71. Who amongst the following faces A?
 (1) E (2) F (3) G (4) H
 (5) Cannot be determined
72. Who amongst the following faces the person who sits exactly between G and E?
 (1) A (2) B (3) C (4) D
 (5) Cannot be determined
73. Who amongst the following faces G?
 (1) A (2) B (3) C (4) D
 (5) Cannot be determined
74. Which of the following is true regarding B?
 (1) B sits exactly between C and D (2) D sits second to right of B
 (3) B sits at an extreme end of the line (4) B is an immediate neighbour of the person who faces F
 (5) None is true
75. 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?
 (1) E (2) D (3) F (4) G (5) A

Directions (Q. 76-80) : Read the following information carefully and answer the questions given below.

P, Q, R, S, T, V and Z are seven employees of a call centre. They work in three shifts – I, II, III. There is at least one and not more than three among in any of these shifts. Each of them get one day off in every week from Monday to Sunday. Q works with only T in shift II and his weekly off is immediate to the next of the off day of P. S has weekly off on Sunday and he is not in the same shift with either R or Q. P is in shift with R whose off day is immediately after Q and immediately before T. V 's off day is immediately after T but not on Saturday. The employee having off day on Friday works in shift III and that on a Saturday does not work with T. Z does not work either in shift II or in shift III.

76. In which shift do three of them work?
(1) I (2) II (3) III (4) I or III (5) Data inadequate
77. On which day of the week does Q have off day?
(1) Wednesday (2) Thursday (3) Tuesday (4) Saturday (5) None of these
78. Which of the following combinations of employee-off day-shift day is not correct?
(1) T-Thursday-II (2) V-Friday-III (3) P-Wednesday-I (4) Z-Saturday-I (5) All are correct
79. Who among them has off day immediately on the next of V's off day?
(1) P (2) Z (3) T (4) Data inadequate (5) None of these
80. In which shift does V work?
(1) II (2) III (3) II or III (4) Data inadequate (5) None of these

Directions (Q. 81-83) : Study the following information to answer the given questions.

Amongst five friends P, Q, R, S and T, each scored different marks in an examination out of a total of 100 marks. S Scored more than only T. R scored less than P. Only one person scored more than Q. The one who scored second highest marks scored 87 marks.

81. Who scored the third least marks in the examination?
(1) P (2) O (3) R (4) S (5) T
82. Which of the following is true with regard to the given information?
(1) Only one person scored more than P
(2) No one scored less than T
(3) R scored more than both Q and S
(4) Amongst the five friends, S is most likely to have scored 95 marks in the examination
(5) None is true
83. If S scored 23 marks less than the marks scored by Q, which of the following could possibly be R's score?
(1) 64 (2) 93 (3) 61 (4) 89 (5) 78

Directions (Q. 84-87) : Study the following arrangement carefully and answer the questions given below.

R 3 A M % D 1 B U J 2 @ © F I K E δ W P 4 8 V Q 9 6 Y * 5

84. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?
(1) MDA (2) 6*9 (3) 4VP (4) FK@ (5) J@U
85. Which of the following is the twelfth to the right of the sixth from the left end of the above arrangement?
(1) E (2) δ (3) @ (4) 2 (5) None of these
86. How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a symbol?
(1) None (2) One (3) Two (4) Three (5) More than three
87. If all the symbols are dropped from the above arrangement, which of the following will be the thirteenth from the left end?
(1) K (2) E (3) I (4) F (5) None of these

Directions (Q. 88-90) : Read the following information carefully and answer the questions which follow.

'A × B' means 'A is father of B'.

'A + B' means 'A is daughter of B'.

'A ÷ B' means 'A is mother of B'.

'A – B' means 'A is brother of B'.

88. If 'P ÷ R – Q × T' how is P related to T?
(1) Grandmother (2) Mother-in-law (3) Sister (4) Grandfather (5) None of these
89. If 'P ÷ Q + R × T' how is T related to Q?
(1) Aunt (2) Sister (3) Brother (4) Grandson (5) None of these
90. Which of the following means that R is wife of P?
(1) P × R – Q – T (2) P ÷ T + R – Q (3) P ÷ R – Q + T (4) P × T – Q + R (5) None of these
91. In a certain code, GEAR is written as '5@3©' and MOVE is written as '7\$9@'. How is ROAM written in the code?

- (1) ©\$37 (2) ©3\$7 (3) @\$37 (4) ©\$57 (5) None of these
92. P walked 20 m towards North, took a left turn and walked 10 m, then took a right turn and walked 20 m, again took a right turn and walked 10 m. How far is he from his starting point?
- (1) 50 m (2) 60 m (3) 40 m (4) Can't be determined
(5) None of these

Directions (Q. 93-95) : Study the following information to answer the given question.

In a certain code, 'a friend of mine' is written as '4916', 'mine lots of metal' is written as '3109' and 'a piece of metal' is written as '7163'.

93. What is the code for 'piece'?
- (1) 3 (2) 6 (3) 1 (4) 7
(5) Can't be determined
94. What does '9' stand for ?
- (1) of (2) mine (3) friend (4) lots (5) metal
95. Which of the following many represent 'a pleasure of mine'?
- (1) 6309 (2) 5216 (3) 9216 (4) 3694 (5) 5041

Directions (Q. 96-100) : In each of the questions below are given four statements followed by four Conclusions I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements disregarding commonly known facts.

96. **Statements :** Some stones are rocks.
All rocks are boulder.
Some boulders are mountains.
All hills are mountains.
- Conclusions :** I. Some stones are not mountains.
II. At least some hills are boulders.
III. Some boulders are stones.
IV. All mountains being hills is a possibility.
- (1) None follows (2) Only II follows (3) II and III follow (4) III and IV follow (5) None of these
97. **Statements :** All arrows are bows.
All bows are swords.
Some swords are daggers.
All daggers are knives.
- Conclusions :** I. All knives are bows.
II. At least some swords are knives.
III. All bows are not arrows.
IV. All arrows being swords is a possibility.
- (1) Only II follows (2) II and IV follow (3) III and IV follow (4) I and III follow (5) None of these
98. **Statements :** Some pianos are violins.
Some violins are drums.
All drums are guitars.
No guitar is a flute.
- Conclusions :** I. All guitars are pianos.
II. Some drums are definitely flutes.
III. At least some pianos are drums.
IV. No flute is a drum.
- (1) None follows (2) Only I follows
(3) Either II or IV follows (4) Only IV follows (5) None of these
99. **Statements :** Some airplanes are helicopters.
All helicopters are gliders.
All gliders are kites.
All kites are balloons.
- Conclusions :** I. At least some helicopters are balloons.
II. All kites are airplanes.
III. All balloons are not gliders.
IV. All helicopters being kites is a possibility.
- (1) Only IV follows (2) Either II or III follows
(3) Only III follows (4) Only I follows (5) None of these

100. Statements : All kings are warriors.
All soldiers is warriors.
All sentries are worriors.
Some sentries are soldiers.

Conclusions : **I.** Some sentries are kings.
II. Only warriors is soldiers.
III. All warriors are not sentries.
IV. Some soldiers being kings is a possibility.

(1) None follows (2) Only I follows (3) Only II follows (4) II and IV follow (5) None of these

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ANSWER KEY

- 1 (4) 21 (4) 41 (1) 61 (5) 81 (3)
2 (3) 22 (2) 42 (2) 62 (4) 82 (2)
3 (2) 23 (2) 43 (3) 63 (3) 83 (5)
4 (4) 24 (5) 44 (1) 64 (5) 84 (4)
5 (5) 25 (1) 45 (3) 65 (3) 85 (2)
6 (2) 26 (2) 46 (1) 66 (5) 86 (2)
7 (3) 27 (4) 47 (5) 67 (1) 87 (1)
8 (1) 28 (3) 48 (2) 68 (3) 88 (1)
9 (5) 29 (5) 49 (4) 69 (3) 89 (5)
10 (5) 30 (4) 50 (1) 70 (4) 90 (4)
11 (2) 31 (2) 51 (1) 71 (2) 91 (1)
12 (3) 32 (4) 52 (4) 72 (3) 92 (3)
13 (3) 33 (1) 53 (5) 73 (4) 93 (4)
14 (2) 34 (5) 54 (3) 74 (4) 94 (2)
15 (1) 35 (1) 55 (1) 75 (1) 95 (3)
16 (2) 36 (5) 56 (3) 76 (1) 96 (4)
17 (3) 37 (1) 57 (4) 77 (3) 97 (1)
18 (5) 38 (1) 58 (4) 78 (3) 98 (4)
19 (2) 39 (5) 59 (2) 79 (2) 99 (5)
20 (1) 40 (5) 60 (1) 80 (2) 100 (5)

HINTS & SOLUTIONS

1. 'If the government monitors' is the correct use.
2. It should be 'design are finally'. Here, a helping verb of Present Tense is required.
3. It should be 'designs are finally'. Here, a helping verb of Present Tense is required.
4. It should be 'are delayed because of'.
5. The sentence is correct.
6. Refer to the last sentence of the last paragraph.
7. Only A and B are correct.
8. The passage reflects a realistic attitude of the author.
9. Refer to the first half of the first paragraph.
10. None of (1), (2), (3), (4) is correct.
11. Refer to the third last and fourth last sentences of the passage.
12. Refer to the second half of the first paragraph.
13. Opportunities and unemployable best fits the meaning of the sentence as a whole.
14. Provoked and fear best fits the meaning of the sentence as a whole.
15. Economies and meet best fit the meaning of the sentence as a whole.
16. Use 'was' in place of 'were'. Here, the subject is the journalist which is singular.
17. It should be 'until she returns'. In conditional clauses negatives are not used with until and unless.
18. The sentence is correct.
19. Use 'who' in place of 'which' For persons relative pronoun who is used.
20. Remove 'will'. If the principal clause is in Future Tense, Simple Present Tense is used in the conditional clause.
- 21-25. The proper sequence of sentences to form a meaningful paragraph will be CEBFAD.
26. 'security' fills the blank appropriately.
27. 'disburse' fills the blank appropriately.
28. 'operate' fills the blank appropriately.
29. innovation' fills the blank appropriately.
30. 'Yet' fills the blank appropriately.
31. The sum of an angles of the quadrilateral = 360°
 $2x + 4x + 7x + 5x = 360^\circ$
 $\Rightarrow 18x = 360^\circ \Rightarrow x = 20^\circ$
Smallest angles of the quadrilateral = $2 \times 20^\circ = 40^\circ$
According to question,
Smallest angle of the quadrilateral = smallest angle of triangle
 \therefore Smallest angle of triangle = 40° and its twice = 80°
Remaining angle of triangle
 $= 180^\circ - (40^\circ + 80^\circ) = 60^\circ$ and 80°
 \therefore Second largest angle = 60°
32. 10 notebooks in a day then in two weeks (i.e 14 days)
 $= 14 \times 10 = 140$ notebooks
Commission earned
6 pencil boxes is a day then in two weeks
 $= 14 \times 6 = 84$ pencil boxes
Commission earned
Total commission earned = $252 + 1344 = T 1596$
33. If the length of Train B is x m, then speed of train
34. According to passing percentage = 40% (boys)
According to question,
 $x \times 40\% = 483 + 117$ (If total marks = x)
Passing marks for girls
35. 8×20 men = 8×32 women
 $\Rightarrow 5$ men = 8 women
Now, 5 men + 8 women = $8 + 8 = 16$ women
 $\Rightarrow D_1 \times M_1 = M_2 \times D_2$
 $\Rightarrow 8 \times 32$ women = $16 \times D_2$
36. Let the first number is x, then five consecutive even numbers are x, x + 2, x + 4, x + 6, x + 8.
According to question,
 $x + x + 2 + x + 4 + x + 6 + x + 8 = 220$
 $\Rightarrow 5x + 20 = 220 \Rightarrow 5x = 220 - 20$
Again, suppose different set of five consecutive even number's second lowest number = y + 2 which is 37 less than double of the lowest number of Set A
 $= 40 \times 2 - 37 = 43$
 \therefore First lowest number = $43 - 1 = 42$
Sum = $42 + 43 + 44 + 45 + 46 = 220$
37. Bus fare = T 420
Train fare = = T 630
Total fare = $2 \times 420 + 4 \times 630 = 840 + 2520 = T 3360$
38. Speed of the tractor = = 30 km/h
Speed of the jeep = = 75 km/h
Speed of the car = = 45 km/h
Average speed of car and jeep together
= = 60 km/h
39. Area of a square = $a^2 = 1024$
Breadth of the rectangle = 12 cm less than the side of the square = $32 - 12 = 20$ cm
Length of the rectangle = Twice the side of the square = $2 \times 32 = 64$ cm
Ratio of length and breadth = $64 : 20 = 16 : 5$
40. Suppose correct answer = x
 \therefore Incorrect answer = $(30 - x)$
Then, $x \times 1 - (30 - x) \times 0.25 = 13.75$
 \therefore Incorrect answer = $30 - 17 = 13$
41. Total marks obtained by Satish in the subjects together
 $= 108 + 88 + 34 = 230.$
42. Average marks obtained by all the students in Maths
43. Miloni's overall percentage in the exam

44. Total marks obtained by Purab in Science and English together

Total marks obtained by Rachana in Science and English together

Hence, respective ratio = $102 : 108 = 17 : 18$

45. Two students (Miloni, Purab) have scored more than 80% in more than one subject.

46-49. Total number of boys studying Marketing = 297

\therefore Total number of boys in the institution =

So, the total number of girls
Total number of girls studying HR

Total number of girls studying Marketing

Total number of boys studying Finance

Total number of boys studying HR
 $= 990 - 297 - 495 = 198$

46. Total number of girls studying Finance
 $= 810 - 324 - 198 = 288$

47. Required percentage =

48. Total number of students in the institution
 $= 990 + 810 = 1800$

Required percentage =

49. Total number of boys studying HR = 198

Total number of girls studying HR = 324

Required ratio = $198 : 324 = 11 : 18$

50. From I,

$$\Rightarrow 35x + 70 = 0 \Rightarrow x = -2$$

From II,

$$\Rightarrow 3y + 7 = 0$$

Hence, $x > y$

51. From I,

From II,

$$4y^3 = (-589 \div 4) + 5y^3$$

Hence, $x > y$

52. From I,

From II,

Hence, $x > y$

53. Total number of B.Ed. students

Total number of MBA students

Hence, required percentage

$$= 44.44\% = 44\% \text{ (approx.)}$$

54. Required respective ratio

55. Total number of B.Sc students

Total number of B.Ed students

Hence, required percentage

56. Required probability =

57.

Again,

58. As,

Similarly,

(a)

(b)

(c)

59. As,

$$9 \times 2 - 2 \times 5 = 18 - 10 = 8$$

Similarly,

(a)

(b)

60. As,

Similarly,

(a)

(b)

(c)

(d)

61. As,

Similarly,

(a)

(b)

(c)

(d)

62.

63.
64.

65.

66. $M > T$... (i)
... (ii)
and $K = D$... (iii)
Combining all these, we get,

Hence I follows.
Again from (i) and (ii),
Hence II follows.

67. ... (i)
 $M = J$... (ii)
and $D > M$... (iii)
Combining (ii) and (iii), we get

Hence I follows.
Again, from (i) and (ii),
Hence II is false.

68. ... (i)
... (ii)
and $N < W$... (iii)
Combining (ii) and (iii), we get,

Hence either conclusion I ($F = N$) or Conclusion II ($F = N$) is true.

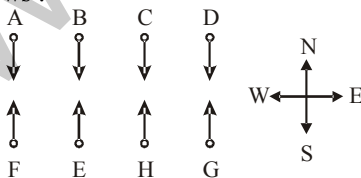
69. $B = J$... (i)
... (ii)
and ... (iii)
Combining all these, we get,

Hence either Conclusion I ($B < F$) or Conclusion II ($B = F$) is true.

70. $Z < T$... (i)
 $T > N$... (ii)
and ... (iii)

Combining all these, we get,
No relationship can be established between H and Z.
Hence I does not follow.
From (ii) and (iii),
No relationship can be established between T and H.
Hence II also does not follow.

71-75. Eight peoples sitting arrangements are as follows :



71. F faces A.
72. H sits exactly between G and E and C faces H.
73. D faces G.

74. B is an immediate neighbour of the person who faces F is true regarding B.
76-80.

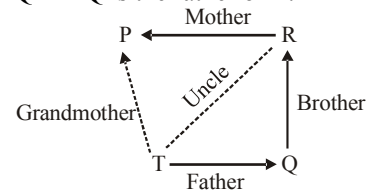
Employees	Shift			Off Day
	I	II	III	
P	✓	✗	✗	Monday
Q	✗	✓	✗	Tuesday
R	✓	✗	✗	Wednesday
S	✗	✗	✓	Sunday
T	✗	✓	✗	Thursday
V	✗	✗	✓	Friday
Z	✓	✗	✗	Saturday

81-83. Five friends scored marks are as follows
 $P > Q > R > S > T$

81. R scored the third least marks in the examination.
82. T scored least marks or no one scored less than T.
83. Given, P's marks = 87
∴ Q's possible marks = $87 - 1 = 86$
∴ S's marks = $86 - 23 = 63$
∴ R scored marks between 63 and 86. or R scored marks either 64 or 78, it mean R possible scored marks = 78.
84. Except 'FK@', all other groups follow same nature in the given arrangements.
85. According to the question, in the given arrangements '8' symbol is the twelfth to the right of the sixth from the left end.
86. According to the question, in the given arrangements only one '2' number is immediately preceded by a consonant and immediately followed by a symbol.
87. After dropped all the symbols the given arrangement order is
R 3 A M D 1 B U J 2 F I K E W P 4 8 V Q 9 6 Y 5
Thirteenth from the left

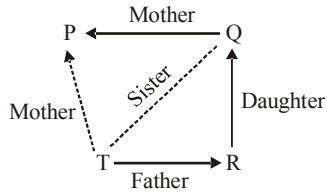
So, 'K' letter is thirteenth from the left end.

88. According to question,
 $P \div R$ P is the mother of R.
 $R - Q$ R is the brother of Q.
 $Q \times T$ Q is the father of T.



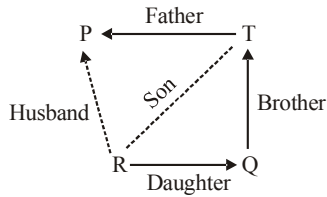
So, P is the grandmother of T.

89. $P \div Q$ P is the mother of Q.
 $Q + R$ Q is the daughter of R.
 $R \times T$ R is the father of T.

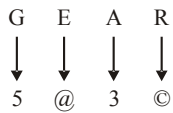


So, Q is the sister of T but T may be brother or sister of Q.

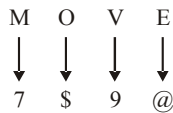
90. From answer option (4),
 $P \times T$ P is the father of T.
 $T - Q$ T is the brother of Q.
 $Q + R$ Q is the daughter of R.



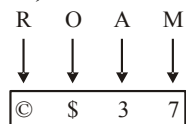
91.



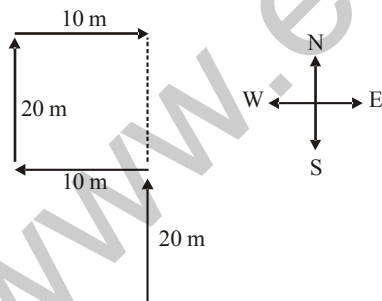
and



So,

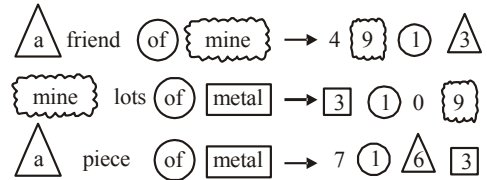


92.

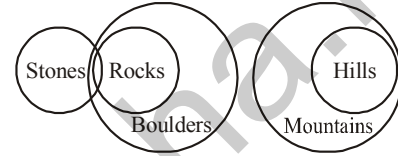


So, required distance = $20 + 20 = 40$ m

93-95.



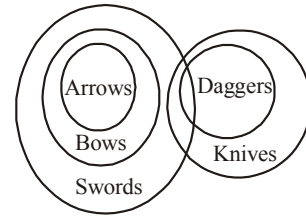
93. Code of piece is 7.
 94. 9 stands for mine
 95. $a = 6$, $of = 1$ and $mine = 9$ we don't know the code of pleasure but seeing the answer options 6, 1, 9 is available in answer options (3) only.
 96. According to the statements, venn diagram is as follow.



Conclusions : I. ✗ II. ✗ III. ✓
 IV. ✓

So, III and IV follow.

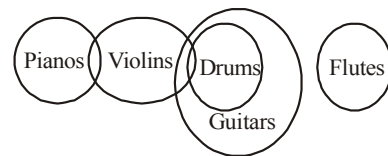
97. According to the statements, venn diagram is as follow.



Conclusions : I. ✗ II. ✓ III. ✗
 IV. ✗

So, only II follow.

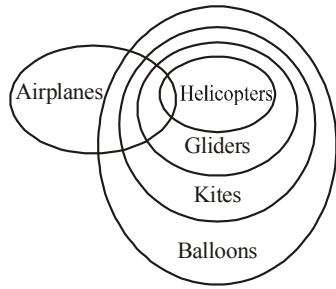
98. According to the statements, venn diagram is as follow.



Conclusions : I. ✗ II. ✗ III. ✗
 IV. ✓

So, Only IV follows.

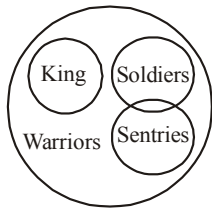
99. According to the statements, venn diagram is as follow.



Conclusions : I. ✓ II. ✗ III. ✓
 IV. ✗

So, I and III follows.

100. According to the statements, venn diagram is as follow.



Conclusions : I. ✗ II. ✗ III. ✓
 IV. ✓

So, III and IV follow.

Prepared by
RACE Institute, Hyderabad