

PRACTICE SET-2

INSTRUCTIONS

- This Preliminary Exam practice set consists of three sections. Numerical Ability (Qs. 1-35); Reasoning Ability (Qs. 36-70) and English Language (Qs. 71-100).
- All the questions are compulsory.
- Each question has five options, of which only one is correct. The candidates are advised to read all the options thoroughly.
- There is negative marking equivalent to $\frac{1}{4}$ th of the mark allotted to the specific question for wrong answer.

Time : 1 hr.

Max. Marks : 100

NUMERICAL ABILITY

DIRECTIONS (Qs. 1-10): What will come in place of the question mark (?) in the following questions?

- $(3325 \div 25) \times (152 \div 16) = ?$
(a) 1269.4 (b) 1264.9
(c) 1265.3 (d) 1263.5
(e) None of these
- $\sqrt{3136} - \sqrt{1764} = \sqrt{?}$
(a) 14 (b) $(196)^2$
(c) -14 (d) 144
(e) None of these
- $5\frac{1}{5} + 2\frac{2}{15} + 3\frac{2}{3} = ?$
(a) 15 (b) 13
(c) $\frac{11}{15}$ (d) 12
(e) None of these
- $-15 - 27 - 88 - 63 + 255 = ?$
(a) 55 (b) 74
(c) 62 (d) 59
(e) None of these
- $(2525 \times 0.25 \div 5) \times 7 = ?$
(a) 889.43 (b) 883.75
(c) 886.45 (d) 881.75
(e) None of these
- $\frac{14}{19} \times \frac{57}{70} \times \frac{20}{21} = ?$
(a) $\frac{2}{7}$ (b) $\frac{4}{7}$
(c) $\frac{2}{9}$ (d) $\frac{3}{7}$
(e) None of these
- $32\% \text{ of } 500 + 162\% \text{ of } 50 = ?$
(a) 231 (b) 245
(c) 237 (d) 247
(e) None of these
- $45316 + 52131 - 65229 = ? + 15151$
(a) 17063 (b) 17073
(c) 17076 (d) 17067
(e) None of these
- $\sqrt{25 - 12 + 155 + 1} = ?$
(a) 13 (b) 14
(c) 17 (d) 16
(e) None of these
- $\frac{184 \times 4}{23 \text{ of } 400} = ?$
(a) 7 (b) 9
(c) 8 (d) 5
(e) None of these
- Joel purchased 40 notebooks at the rate of ₹ 18 per notebook and 55 pencils at the rate of ₹ 8 per pencil. What is the total amount that he paid to the shopkeeper?
(a) ₹ 1,165 (b) ₹ 1,160
(c) ₹ 1,166 (d) ₹ 1,161
(e) None of these
- The sum of five consecutive odd numbers is 265. What is the sum of the largest number and twice the smallest number?
(a) 156 (b) 153
(c) 155 (d) 151
(e) None of these

13. The average of five numbers is 34.4. The average of the first and the second number is 46.5. The average of the fourth and the fifth number is 18. What is the third number ?
 (a) 45 (b) 46
 (c) 42 (d) 49
 (e) None of these
14. One of the angles of a parallelogram is 45° . What will be the sum of the larger angle and twice the smaller angle of the parallelogram ?
 (a) 228° (b) 224°
 (c) 225° (d) 222°
 (e) None of these
15. 9 women can complete a piece of work in 19 days. How many days will 18 women take to complete the same piece of work?
 (a) 12 days (b) 6.5 days
 (c) 9 days (d) 8.5 days
 (e) None of these
16. If $(11)^3$ is subtracted from $(46)^2$ what will be the remainder ?
 (a) 787 (b) 785
 (c) 781 (d) 783
 (e) None of these
17. The ratio between Gloria's and Sara's present ages is 4 : 7 respectively. Two years ago the ratio between their ages was 1 : 2 respectively. What will be Sara's age three years hence ?
 (a) 17 years (b) 14 years
 (c) 11 years (d) 8 years
 (e) None of these
18. A plot of 1800 sq. ft. is available at the rate of ₹ 630 per sq. ft. If 45% of the total cost of the plot is to be paid at the time of booking it, how much is the booking amount?
 (a) ₹ 11,34,0007 (b) ₹ 5,10,3007
 (c) ₹ 6,03,0007 (d) ₹ 6,00,300
 (e) None of these
19. 'A', 'B' and 'C' are three consecutive even integers such that four times 'A' is equal to three times 'C'. What is the value of B ?
 (a) 12 (b) 10
 (c) 16 (d) 14
 (e) None of these
20. The sum of the squares of two odd numbers is 11570. The square of the smaller number is 5329. What is the other number?
 (a) 73 (b) 75
 (c) 78 (d) 79
 (e) None of these
21. What is the difference between the simple and compound interest earned from a sum of ₹ 13,033 at a rate of 13 percent per annum for a period of 3 years (rounded off to 2 digits after decimal) ?
 (a) ₹ 5,082.87 (b) ₹ 689.41
 (c) ₹ 5,772.28 (d) ₹ 680.94
 (e) None of these
22. The sum of three consecutive integers is 5685. Which of the following is the correct set of these numbers ?
 (a) 1893, 1894, 1895 (b) 1895, 1896, 1897
 (c) 1899, 1900, 1901 (d) 1897, 1898, 1899
 (e) None of these

23. A factory produces 1515 items in 3 days. How many items will they produce in a week ?
 (a) 3530 (b) 3553
 (c) 3533 (d) 3535
 (e) None of these
24. How much will a sum of ₹ 12,0007 deposited at a rate of 9% per annum (simple interest) for 13 years amount to?
 (a) ₹ 14,040 (b) ₹ 20,650
 (c) ₹ 13,404 (d) ₹ 27,800
 (e) ₹ 26,040
25. If the following fractions are arranged in a descending order (from left to right), which of them will be second from the right end ?
 $\frac{4}{9}, \frac{6}{13}, \frac{5}{11}, \frac{13}{16}, \frac{7}{12}$
 (a) $\frac{6}{13}$ (b) $\frac{4}{9}$
 (c) $\frac{13}{16}$ (d) $\frac{7}{12}$
 (e) $\frac{5}{11}$

DIRECTIONS (Qs. 26-28) : What should come in place of the question mark (?) in the following number series ?

26. 800 400 200 100 50 ?
 (a) 20 (b) 30
 (c) 25 (d) 35
 (e) None of these
27. 2 13 35 68 112 ?
 (a) 173 (b) 178
 (c) 163 (d) 167
 (e) None of these
28. 650 601 565 540 524 ?
 (a) 512 (b) 514
 (c) 511 (d) 515
 (e) None of these

DIRECTIONS (Qs. 29-30) : In the following number series only one number is wrong. Find out the wrong number.

29. 9050 5675 3478 2147 1418 1077 950
 (a) 3478 (b) 1418
 (c) 5675 (d) 2147
 (e) 1077
30. 8424 4212 2106 1051 526.5 263.25 131.625
 (a) 131.625 (b) 1051
 (c) 4212 (d) 8424
 (e) 263.25
31. Rubina could get equal number of ₹ 55, ₹ 85 and ₹ 105 tickets for a movie. She spent ₹ 2940 for all the tickets. How many of each did she buy?
 (a) 12 (b) 14
 (c) 16 (d) Cannot be determined
 (e) None of these

32. Ramola's monthly income is three times Ravina's monthly income. Ravina's monthly income is fifteen percent more than Ruchira's monthly income. Ruchira's monthly income is ₹ 32,000. What is Ramola's annual income ?
 (a) ₹ 1,10,400 (b) ₹ 13,24,800
 (c) ₹ 36,800 (d) ₹ 52,200
 (e) None of these
33. In an Entrance Examination Ritu scored 56 percent marks, Smita scored 92 percent marks and Rina scored 634 marks. The maximum marks of the examination are 875. What are the average marks scored by all the three girls together?
 (a) 1929 (b) 815
 (c) 690 (d) 643
 (e) None of these
34. The respective ratio between the present age of Manisha and Deepali is 5 : X. Manisha is 9 years younger than Parineeta. Parineeta's age after 9 years will be 33 years. The difference between Deepali's and Manisha's age is same as the present age of Parineeta. What will come in place of X?
 (a) 23 (b) 39
 (c) 15 (d) Cannot be determined
 (e) None of these
35. Seema bought 20 pens, 8 packets of wax colours, 6 calculators and 7 pencil boxes. The price of one pen is ₹ 7, one packet of wax colour is ₹ 22, one calculator is ₹ 175 and one pencil box is ₹ 14 more than the combined price of one pen and one packet of wax colours. How much amount did Seema pay to the shopkeeper?
 (a) ₹ 1,491 (b) ₹ 1,725
 (c) ₹ 1,667 (d) ₹ 1,527
 (e) None of these

REASONING ABILITY

36. A school bus driver starts from the school, drives 2 km towards North, takes a left turn and drives for 5 km. He then takes a left turn and drives for 8 km before taking a left turn again and driving for 5 km. The driver finally takes a left turn and drives 1 km before stopping. How far and towards which direction should the driver drive to reach the school again?
 (a) 3 km towards North (b) 7 km towards East
 (c) 6 km towards South (d) 6 km towards West
 (e) 5 km towards North

DIRECTIONS (Qs. 37-38) : Read the following information carefully and answer the questions which follow:

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

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

37. Who amongst the following live on the floors exactly between D and F ?
 (a) E, B (b) C, B
 (c) E, C (d) A, E
 (e) B, A

38. On which of the following floors does B live?
 (a) 6th (b) 4th
 (c) 2nd (d) 5th
 (e) Cannot be determined

DIRECTIONS (Qs. 39-40) : Study the following information to answer the given questions:

In a five letter English word (which may or may not be a meaningful English word), there are two letters between L and P. S is not placed immediately next to L. There is only one letter between S and A. S is towards the right of A. S is not placed immediately next to E.

39. Which of the following is correct with respect to the word thus formed?
 (a) E is at one of the extreme ends of the word.
 (b) P is not placed immediately next to A.
 (c) There are two letters between A and E in the word thus formed.
 (d) P is placed second to the right of E.
 (e) None is correct
40. Which of the following words will be formed based on the given conditions?
 (a) SPAEL (b) PEALS
 (c) LEAPS (d) SEPAL
 (e) LAPSE

DIRECTIONS (Qs. 41-45) : In each question below are two/three statements followed by two conclusions numbered I and II. You have to take the two/three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give answer (a) if only conclusion I follows
 Give answer (b) if only conclusion II follows.
 Give answer (c) if either conclusion I or conclusion II follows.
 Give answer (d) if neither conclusion I nor conclusion II follows.
 Give answer (e) if both conclusion I and conclusion II follow.

(Qs. 41-43) :

Statements : All gliders are parachutes.
 No parachute is an airplane.
 All airplanes are helicopters.

41. Conclusions : I. No glider is an airplane.
 II. All gliders being helicopters is a possibility.
42. Conclusions : I. No helicopter is a glider.
 II. All parachutes being helicopters is a possibility.
43. Statements : Some mails are chats.
 All updates are chats.
 Conclusions : I. All mails being updates is a possibility.
 II. No update is a mail.

(Qs. 44-45) :

Statement : No stone is metal.
 Some metals are papers.
 All papers are glass.

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44. Conclusions : I. All stones being glass is a possibility.
II. No stone is a paper.
45. Conclusions : I. No glass is a metal.
II. Atleast some glass is metal.

DIRECTIONS (Qs. 46-50) : Each of the questions below consists of a question and three statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

46. How many daughters does W have?
I. B and D are sisters of M.
II. M's father T is husband of W.
III. Out of the three children which T has, only one is a boy.
(a) Only I and III
(b) All I, II and III are required to answer the question
(c) Only II & III are sufficient to answer the question
(d) Question cannot be answered even with all I, II and III
(e) Only I and II
47. Who among A, B, C, D, E and F each having a different height, is the tallest?
I. B is taller than A but shorter than E.
II. Only two of them are shorter than C.
III. D is taller than only F.
(a) Only I and II
(b) Only I and III
(c) Only II and III
(d) All I, II and III are required to answer the question
(e) All I, II and III are not sufficient to answer the question
48. How is 'go' written in a code language?
I. 'now or never again' is written as 'tom ka na sa' in that code language.
II. 'you come again now' is written as 'ja ka ta sa' in that code language.
III. 'again go now or never' is written as 'na ho ka sa tom' in that code language.
(a) Only I and III
(b) Only II and III
(c) Only I and II
(d) All I, II and III are required to answer the question
(e) None of these
49. Towards which direction is village J from village W ?
I. Village R is to the west of Village W and to the north of Village T.
II. Village Z is to the east of Village J and to the south of Village T.
III. Village M is to the northeast of Village J and north of Village Z.
(a) Only III (b) Only II and III
(c) All I, II and III are required to answer the question
(d) Question cannot be answered even with all I, II and III
(e) None of these
50. On which day of the week starting from Monday did Suresh visit Chennai ?
I. Suresh took leave on Wednesday.
II. Suresh visited Chennai the day after his mother's visit to his house
III. Suresh's mother visited Suresh's house neither on Monday nor on Thursday

- (a) Only II and III
(b) Only I and II
(c) Only I and III
(d) All I, II and III are required to answer the question
(e) Question cannot be answered even with all I, II and III

DIRECTIONS (Qs 51- 55): Study the information below and answer questions based on it.

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons .In rows 1 there are p , q , r , s , t , and v are seated and all of them are facing south .In row 2 there are a , b , c , d , e ,and f are seated and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

1. a, sits third to right of d
 2. Neither a nor d sits at the extremes ends
 3. 't' faces 'd'
 4. v does not face a and v does not sit at any of the extreme ends.
 5. 'v' is not an immediate neighbor of t
 6. 'b' sit at on the extreme ends.
 7. Only two people sit between b and e
 8. 'e' does not face v
 9. Two persons sit between r and q
 10. r is not the immediate neighbor of t
 11. c does not face v
 12. p is not an immediate neighbor of r
51. Who among the following sit at extreme ends of the rows?
(a) b,e (b) s,t
(c) p,r (d) b,f
(e) none
52. Who among the following faces a?
(a) r (b) t
(c) p (d) q
(e) s
53. How many persons are seated between t and s?
(a) one (b) two
(c) three (d) four
(e) none
54. p is related to v in the same way as the c is related to f. To which of the following is e related to, following the same pattern:
(a) b (b) d
(c) c (d) a
(e) none
55. Which of the following is true regarding f?
(a) f sits second to the right of c
(b) f is not an immediate neighbor of a
(c) f sits third to the left of d
(d) f sits at the one of the extreme ends of the line
(e) f faces v

DIRECTIONS (Qs. 56 - 60) : Study the information below and answer questions based on it.

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

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

56. Members travelling to Chennai are in the car:
 (a) Honda City (b) Swift D'Zire
 (c) Ford Ikon
 (d) Either Swift D'Zire or Ford Ikon
 (e) None of these
57. In which car are four members travelling?
 (a) None (b) Honda City
 (c) Swift D'Zire (d) Ford Ikon
 (e) Honda City or Ford Ikon
58. Which of the following combinations represents the three female members?
 (a) QSZ (b) WSZ
 (c) PSZ (d) Cannot be determined
 (e) None of these
59. Who is travelling with W?
 (a) Only Q (b) Only P
 (c) Both P and Q (d) Cannot be determined
 (e) None of these
60. Members in which of the following combinations are travelling in Honda City?
 (a) PRS (b) PQW
 (c) PWS (d) Data inadequate
 (e) None of these

DIRECTIONS (Qs. 61-65) : In the following questions the symbols @, ⊕, =, © and ⊖ are used with the following meaning:

- $P © Q$ means P is less than Q .
- $P @ Q$ means P is greater than Q .
- $P ⊕ Q$ means P is greater than or equal to Q .
- $P = Q$ means P is equal to Q .
- $P ⊖ Q$ means P is either smaller than or equal to Q .

Now in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true? Give answer.

- (a) if only conclusion I is true.
 (b) if only conclusion II is true.
 (c) if either I or II is true.
 (d) if neither I nor II is true, and
 (e) if both I and II are true.
61. **Statements:** $B @ V, K © C, C ⊖ B$
Conclusions : I. $V @ C$
 II. $B @ K$
62. **Statements :** $K @ T, S = K, T ⊖ R$
Conclusions : I. $S @ R$
 II. $T = R$

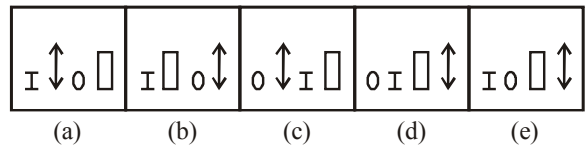
63. **Statements :** $U = M, P ⊕ U, M ⊕ B$
Conclusions : I. $P = B$
 II. $P @ B$
64. **Statements:** $L ⊕ N, J ⊖ P, P ⊕ L$
Conclusions : I. $J = L$
 II. $P = N$
65. **Statements:** $H ⊕ G, D @ E, H = E$
Conclusions : I. $D @ H$
 II. $G © D$

DIRECTIONS (Qs. 66-70) : The first figure in the first unit of the problem figures bears a certain relationship to the second figure. Similarly one of the figures in the answer figures bears the same relationship to the second figure in the second unit of the problem figures. You are therefore to locate the figure which would fit in the question mark.

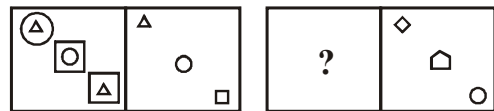
66. **PROBLEM FIGURES**



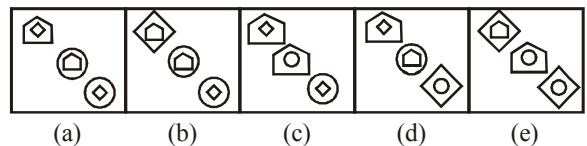
ANSWER FIGURES



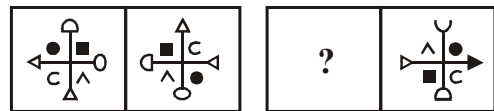
67. **PROBLEM FIGURES**



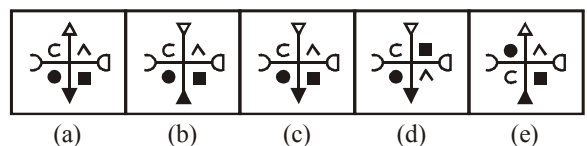
ANSWER FIGURES



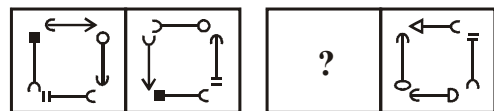
68. **PROBLEM FIGURES**



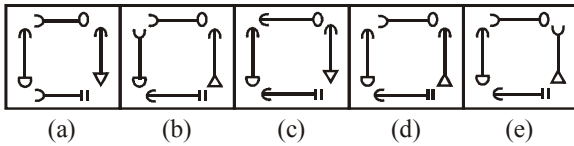
ANSWER FIGURES



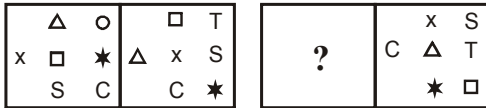
69. **PROBLEM FIGURES**



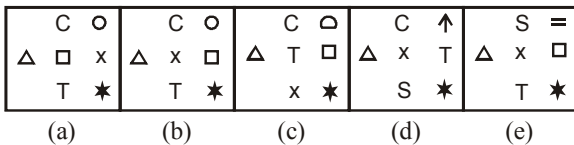
ANSWER FIGURES



70. PROBLEM FIGURES



ANSWER FIGURES



ENGLISH LANGUAGE

DIRECTIONS (Qs. 71-75): In each of the following sentences, an idiomatic expression or a proverb is highlighted. Select the alternative which best describes its use in the sentence.

71. The stunt that I recently attempted was a **piece of cake**
- (a) The stunt that I recently attempted was enjoyable to watch
- (b) The stunt that I recently attempted was very challenging
- (c) The stunt that I recently attempted was celebrated by all
- (d) The stunt that I recently attempted turned out to be a failure
- (e) The stunt that I recently attempted was a simple task
72. The boy broke the window and **took to his heels**.
- (a) The boy broke the window and fell on his heels
- (b) The boy broke the window and ran away
- (c) The boy broke the window with his heels
- (d) The boy ran into the window
- (e) The boy broke the window and robbed a pair of heels
73. I **pledged myself** to serve the king faithfully.
- (a) I made a mistake by promising to serve the king faithfully
- (b) I made a fool of myself in order to serve the king
- (c) I boasted about serving the king faithfully
- (d) I was forcibly made to serve the king
- (e) I made a solemn and formal promise to serve the king faithfully
74. There is a **crying need** for improvements to our public transport system.
- (a) There is an obvious need for improvements to our public transport system
- (b) There is a well documented need for improvements to our public transport system.
- (c) There is a minor need for improvements to our public transport system.
- (d) There is a serious need for improvements to our public transport system.
- (e) There is no urgency for improvements to our public transport system.

75. In an old bookshop I happened to **light upon** a volume that belonged to my grandfather.
- (a) In an old bookshop I happened to discard a volume that belonged to my grandfather.
- (b) In an old bookshop I happened to purchase a volume that belonged to my grandfather.
- (c) In an old bookshop I happened to look for a volume that belonged to my grandfather.
- (d) In an old bookshop I happened to discover by chance a volume that belonged to my grandfather
- (e) In an old bookshop I happened to reveal a volume that belonged to my grandfather.

DIRECTIONS (Qs. 76-80): Pick out the most effective word/phrases from the given alternatives marked (a), (b), (c), (d) and (e) given below each sentence to fill in the blank to make the sentence meaningful and grammatically correct.

76. By the middle of the 19th Century, the urban population of England _____ the rural population.
- (a) have exceed (b) exceeded
- (c) was to exceeds (d) exceeds
- (e) will exceed
77. The house that the actress lives in is beautiful, but the surroundings are _____ unpleasant.
- (a) quite (b) more and more
- (c) a little quite (d) very little
- (e) quite few
78. My friend and I decided to watch a play, however _____ enjoyed it.
- (a) hardly of us (b) some few of us
- (c) we scarcely only (d) neither of us
- (e) no one of us
79. It is difficult to speak a language fluently unless _____ regularly.
- (a) it is in practice (b) it is by practising
- (c) it will be practised (d) it is practised
- (e) it had been practised.
80. By the time he was eighteen years old, Peter _____ to make a living and support his family.
- (a) begins (b) began
- (c) started beginning (d) would begin
- (e) has just begun

DIRECTIONS (Qs. 81-85): Read the following passage carefully and answer the questions given below it.

Lumbini is a beautiful place in the southern part of Nepal. About 2,500 years ago, a baby boy was born to the king and queen. The baby was named Siddharth. His mother, died when he was five days old. The baby boy grew into a **handsome** prince. His father tried to keep him happy. The little prince had everything he needed — fine clothes, the best food and good toys. But he was not interested in them. He wanted to be alone and was always found in deep thought. Later, he was married to a beautiful princess. She was called Yashodhara. They had a son and named him Rahul. The king hoped that Siddharth would become a great ruler.

One day Siddharth was driving through the street in his chariot. He saw an old man and then a sick man. The oldman could **hardly** walk. The sick man groaned in pain. Then he saw some people carrying a dead body, others were wailing and

weeping at the loss of a dear one. Siddharth was very upset to see so much suffering and unhappiness. He was shocked. Then he saw an entirely different sight. A man in yellow robes was walking along the street. There was no trace of sadness on his **radiant** face, instead it shone with peace. He was a monk who had given up the world to escape the misery of life.

Siddharth wanted to find out why there was so much suffering in the world. He wanted to find out how men could be free of misery. He could find neither peace nor happiness in the life he was leading at the palace. One night Siddharth left his home, his wife and his little son. He went into the forest. He wanted to search for a way out of suffering and sorrow for all mankind. He meditated and got enlightenment. He became Lord Buddha, the enlightened one. Truth was **revealed to** him and he learnt all the secrets of life and the world.

He found out that the world was full of sorrow and unhappiness. The reason for it was greed and selfishness. To be free from suffering, we must be free from greed and desire. Desire is the **root** cause of all human suffering. He advocated the Middle Path and asked his followers to avoid the two extremes.

81. Which of the following sentences is **true** according to the passage?
- Lord Budha was born in Lumbini.
 - The little boy was very happy with fine clothes, good food and toys.
 - Siddharth divorced his first wife.
 - Siddharth and Yashodhara had no children and so they were very unhappy.
 - None of these
82. What was Siddharth interested in as a child ?
- He was interested in making new friends as he did not have any siblings.
 - His interests were largely in studying and reading books.
 - He was interested in the best of clothes and good toys.
 - In spending time alone in deep thought.
 - In spending time with nature.
83. Which of the following can be inferred about Siddharth ?
- Siddharth was different from other princes his age.
 - Siddharth was a spoilt child.
 - Siddharth was lonely because he did not have a mother.
- Only (A)
 - Only (B)
 - Only (C)
 - Only (B) and (C)
 - All (A), (B) and (C)
84. What did the King wish for his son, Siddharth ?
- He wanted Siddharth to become a great ruler.
 - He wished that Siddharth would not marry Yashodhara.
 - He wished that Siddharth's son would take over his kingdom.
 - He wished that Siddharth would behave like the other princes.
 - He wished that Siddharth would find the answer to all the suffering in the world.
85. What incident changed Siddharth's life forever ?
- His mother's death.
 - The incident where he saw a monk free from the misery of life.
 - The birth of his son
 - His marriage to Yashodhara.
 - The time he met Lord Buddha.
86. Why did Siddharth leave his home?
- He wanted to run away from his wife and son
 - He did not want to become heir to his father's throne
 - He was in search of a bigger kingdom
 - He wanted to see the world
 - He wanted to search for a way out of suffering and spend time in meditation.
87. According to Siddharth what was the reason for suffering and unhappiness in the world?
- The increased number of deaths
 - The advocacy of the Middle Path
 - Human greed and selfishness
 - People were unaware of the benefits of meditation.
 - None of these
88. What according to passage is the root cause for all human suffering?
- Desire
 - Happiness
 - Meditation
- Only (A)
 - Only (B) and (C)
 - Only (B)
 - Only (C)
 - All (A), (B) and (C)
89. Why was Siddharth called the enlightened one ?
- He was smarter than all the princes of his age.
 - He was the King's son.
 - Truth was revealed to him through meditation.
 - He had a great ability to resist temptation
 - He always wanted to be left alone
90. Why did Lord Buddha advocate the Middle Path ?
- He believed that it was the only way to eliminate poverty.
 - He believed that it was the only way of obtaining true happiness.
 - He was a staunch believer of living an extreme life.
 - He did not have a happy life being a prince.
 - He was not a risk-taker.

DIRECTIONS (Qs. 91-93) : Choose the word which is most nearly the SAME in meaning as the word printed in bold as used in the passage.

91. **Root**
- Secondary
 - Common
 - Burning
 - True
 - Main
92. **Hardly**
- Easily
 - Barely
 - Suddenly
 - Carefully
 - Readily
93. **Radiant**
- Full
 - Happy
 - Burning
 - Sober
 - Sickly

DIRECTIONS (Qs. 94 & 95) : Choose the word which is most OPPOSITE in meaning to the word printed in bold as used in the passage.

94. **Revealed to**
- Hidden from
 - Exposed to
 - Presented to
 - Manifested from
 - Obtained from

95. Handsome

- (a) Dear
- (b) Ugly
- (c) Precious
- (d) Spoilt
- (e) Attractive

- 96. If tomorrow is (a)/ declared a holiday, (b)/ we shall go (c)/ to a picnic. (d)/ No Error (e)
- 97. My grandfather used (a)/ to go (b)/ for a walk (c)/ every morning. (d)/ No Error (e)
- 98. The blast from (a)/ the explosion (b)/ knocked the factory worker (c)/ to unconsciousness. (d)/ No Error (e)
- 99. Raju found it difficult (a)/ to explain (b)/ his final exam marks (c)/ to his parents. (d)/ No Error (e)
- 100. My friend become (a)/terribly upset (b)/ after losing her purse (c)/ at the supermarket. (d)/ No Error (e)

DIRECTIONS (Qs. 96-100) : 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 is the answer. If there is no error, the answer is (e) i.e. 'No Error', (Ignore the errors of punctuation, if any).

RESPONSE SHEET

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

Answer Key

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

Hints & Explanations

1. (d) Given expression implies $? = \frac{3325}{25} \times \frac{152}{16}$
 $= 133 \times 9.5 = 1263.5$

2. (e) $\sqrt{3136} - \sqrt{1764} = \sqrt{?}$
 $\Rightarrow 56 - 42 = \sqrt{?}$
 $\Rightarrow \sqrt{?} = 14$
 On squaring both the side
 $\therefore ? = 14 \times 14 = 196$

3. (e) $? = 5 + \frac{1}{5} + 2 + \frac{2}{15} + 3 + \frac{2}{3}$
 $= 10 + \frac{1}{5} + \frac{2}{15} + \frac{2}{3}$
 $= 10 + \frac{3+2+10}{15} = 10 + \frac{15}{15}$
 $= 10 + 1 = 11$

4. (c) $? = -15 - 27 - 88 - 63 + 255$
 $= -193 + 255 = 62$

5. (b) Given expression can be written as
 $? = \frac{2525 \times 0.25 \times 7}{5} = 883.75$

6. (b) $? = \frac{14}{19} \times \frac{57}{70} \times \frac{20}{21} = \frac{2}{1} \times \frac{3}{10} \times \frac{20}{21} = \frac{2}{1} \times \frac{1}{1} \times \frac{2}{7} = \frac{4}{7}$

7. (e) $? = \frac{500 \times 32}{100} + \frac{50 \times 162}{100}$
 $= 160 + 81 = 241$

8. (d) $45316 + 52131 - 65229$
 $= ? + 15151$
 $\Rightarrow 32218 = ? + 15151$
 $\therefore ? = 32218 - 15151 = 17067$

9. (a) $? = \sqrt{25 - 12 + 155 + 1}$
 $= \sqrt{169} = 13$

10. (c) $? = \frac{184 \times 4}{400 \times 23} = \frac{184 \times 4}{4 \times 23} = 8$
 $\frac{100}{100}$

11. (b) Amount paid
 $= ₹(40 \times 18 + 55 \times 8)$
 $= ₹(720 + 440)$
 $= ₹1160$

12. (c) Third number = $\frac{265}{5} = 53$
 \therefore Smallest number = 49
 Largest number = 57
 \therefore Required value
 $= 57 + 2 \times 49$
 $= 57 + 98 = 155$

13. (e) Third number
 $= 5 \times 34.4 - 2 \times 46.5 - 2 \times 18$
 $= 172 - 93 - 36 = 43$

14. (c) Second angle of parallelogram
 $= 180^\circ - 45^\circ = 135^\circ$
 \therefore Required value
 $= 135 + 2 \times 45$
 $= 135 + 90 = 225^\circ$

15. (e) $M_1 D_1 = M_2 D_2$
 $\Rightarrow 9 \times 19 = 18 \times D_2$
 $\Rightarrow D_2 = \frac{9 \times 19}{18} = 9.5$ days

16. (b) Required remainder
 $= (46)^2 - (11)^3$
 $= 2116 - 1331 = 785$

17. (a) Let Gloria's and Sara's present ages be $4x$ and $7x$ years respectively.

Two years ago,

$$\frac{4x-2}{7x-2} = \frac{1}{2}$$

$$\Rightarrow 8x-4 = 7x-2$$

$$\Rightarrow x=2$$

\therefore Sara's age three years hence = $7x + 3$
= 17 years

18. (b) Total cost of plot
= ₹ 630×1800

\therefore Booking amount

$$= \frac{630 \times 1800 \times 45}{100}$$

$$= ₹ 510300$$

19. (d) Let $A = x$,

$$B = x + 2,$$

$$C = x + 4$$

\therefore According to the Question

$$4x = 3(x + 4)$$

$$\Rightarrow 4x - 3x = 12 \Rightarrow x = 12$$

$$\therefore B = x + 2 = 12 + 2 = 14$$

20. (d) (Larger number)²

$$= 11570 - 5329$$

$$= 6241$$

\therefore Larger number

$$= \sqrt{6241} = 79$$

21. (b) S.I. = $\frac{13033 \times 13 \times 3}{100}$

$$= ₹ 5082.87$$

$$C.I. = 13033 \left[\left(1 + \frac{13}{100} \right)^3 - 1 \right]$$

$$= 13033 \times 0.44$$

$$= ₹ 5772.28$$

$$\text{Difference} = 5772.28 - 5082.87$$

$$= ₹ 689.41$$

22. (e) Smallest number

$$= \frac{5685 - 3}{3} = 1894$$

23. (d) Number of items produced in 3 days = 1515

$$\text{Number of items produced in 1 day} = \frac{1515}{3}$$

Required number of items

$$= \frac{1515 \times 7}{3} = 3535$$

24. (e) S.I. = $\frac{12000 \times 9 \times 13}{100}$

$$= ₹ 14040$$

\therefore Amount = $12000 + 14040$

$$= ₹ 26040$$

25. (e) Given fractions can be written in decimal forms as

$$\frac{4}{9} = 0.44; \quad \frac{6}{13} = 0.46; \quad \frac{5}{11} = 0.45; \quad \frac{13}{16} = 0.8125$$

$$\frac{7}{12} = 0.583$$

\therefore Clearly,

$$\frac{13}{16} > \frac{7}{12} > \frac{6}{13} > \frac{5}{11} > \frac{4}{9}$$

26. (c) The pattern of the number series is :

$$800 \div 2 = 400$$

$$400 \div 2 = 200$$

$$200 \div 2 = 100$$

$$100 \div 2 = 50$$

$$50 \div 2 = \boxed{25}$$

27. (d) The pattern of the number series is :

$$2 + 1 \times 11 = 2 + 11 = 13$$

$$13 + 2 \times 11 = 13 + 22 = 35$$

$$35 + 3 \times 11 = 35 + 33 = 68$$

$$68 + 4 \times 11 = 68 + 44 = 112$$

$$112 + 5 \times 11 = 112 + 55 = \boxed{167}$$

28. (d) The pattern of the number series is :

$$650 - 7^2 = 650 - 49 = 601$$

$$601 - 6^2 = 601 - 36 = 565$$

$$565 - 5^2 = 565 - 25 = 540$$

$$540 - 4^2 = 540 - 16 = 524$$

$$524 - 3^2 = 524 - 9 = \boxed{515}$$

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

$$\begin{array}{cccccccc} 9050 & 5675 & 3478 & 2147 & 1418 & \boxed{1077} & 950 & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \\ - (15)^3 & - (13)^3 & - (11)^3 & - (9)^3 & - (7)^3 & - (5)^3 & & \end{array}$$

Hence, the number 1077 is wrong and it should be replaced by 1075.

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

$$\begin{array}{cccccccc} 8424 & 4212 & 2106 & \boxed{1053} & 526.5 & 263.25 & 131.625 & \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \\ \times \frac{1}{2} & \times \frac{1}{2} & \times \frac{1}{2} & \times \frac{1}{2} & \times \frac{1}{2} & \times \frac{1}{2} & \times \frac{1}{2} & \end{array}$$

Hence, the number 1051 is wrong and it should be replaced by 1053.

31. (a) Value of one ticket of each kind = $55 + 85 + 105 = ₹ 245$

\therefore Required number of ticket of each kind

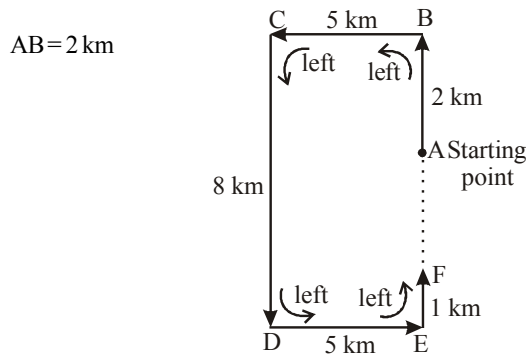
$$= \frac{2940}{245} = 12$$

32. (b) Ravina's monthly income
 $= 32000 \times \frac{100+15}{100} = 32000 \times \frac{115}{100} = ₹ 36800$
 = Ramola's annual income = $36800 \times 3 \times 12$
 $= ₹ 1324800$

33. (d) Marks scored by Ritu = $875 \times \frac{56}{100} = 490$
 Marks scored by Smita = $875 \times \frac{92}{100} = 805$
 \therefore Average marks scored by all the three together
 $= \frac{490 + 805 + 634}{3} = \frac{1929}{3} = 643$

34. (e) According to the question
 Present age of Parineeta = $33 - 9 = 24$ years
 Present age of Manisha = $24 - 9 = 15$ years
 Present age of Deepali = $24 + 15 = 39$ years
 $\therefore 5 : X = 15 : 39$
 $\therefore X = \frac{5 \times 39}{15} = 13$

35. (c) Cost of one pencil box = $7 + 22 + 14 = ₹ 43$
 \therefore Required amount = $(20 \times 7) + (8 \times 22) + (6 \times 175) + (7 \times 43)$
 $= 140 + 176 + 1050 + 301 = ₹ 1667$
 36. (e) According to questions.



BC = 5 km
 CD = 8 km
 DE = 5 km
 EF = 1 km
 BC = DE = 5 km
 CD = BE = 8 km
 BE = EF + AF + AB
 $\therefore AF = BE - (EF + AB)$
 $= 8 - (1 + 2) = 8 - 3 = 5$ km

\therefore Required distance = AF = 5 km and required direction is North

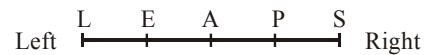
For questions 37-38 :

Person	Floor
B	6th
C	5th
F	4th
E	3rd
A	2nd
D	1st/Ground

37. (d) A and E live on the floors exactly between D and F.
 38. (a) B lives on floor number 6.

For questions 39 -40 :

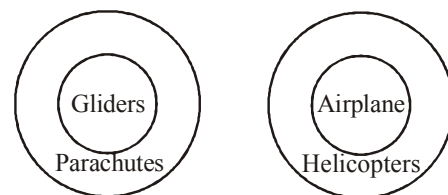
The meaningful english word 'LEAPS' will be formed.



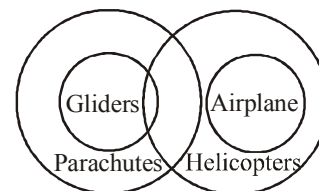
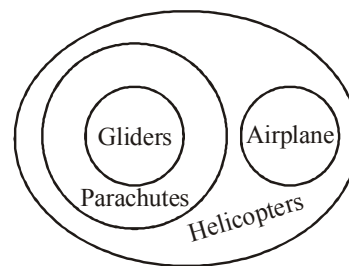
39. (d) P is placed second to the right of E.
 40. (c) The word 'LEAPS' will be formed based on the given conditions.

For questions 41 -43 :

According to statements:

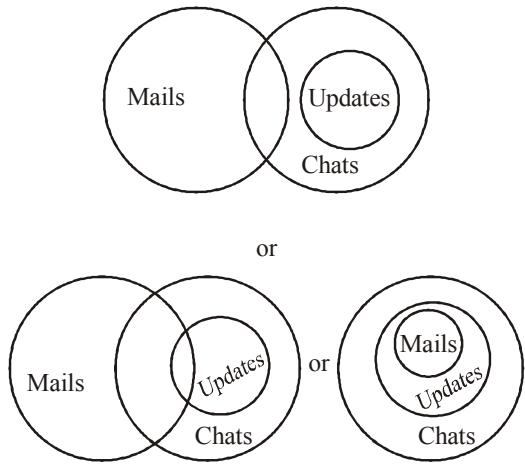


or



41. (a) Hence, only conclusion I follows.
 42. (b) Hence, conclusion II follows.

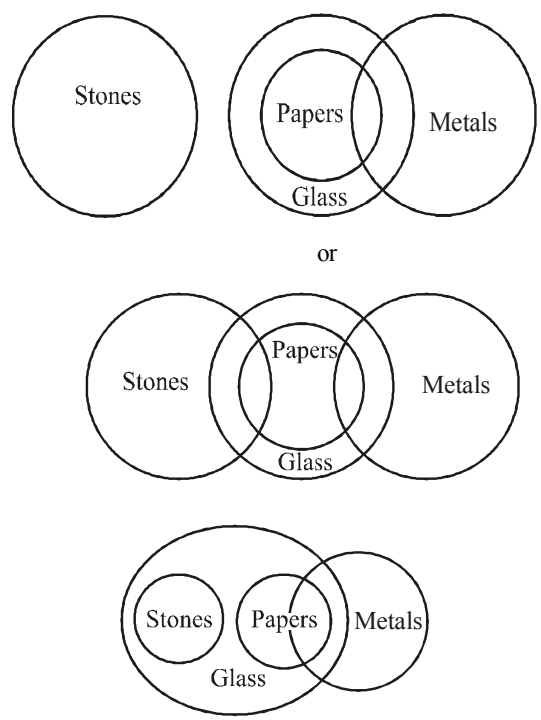
43. (d) According to statements.



Hence, conclusion I follows.

For questions 44-45 :

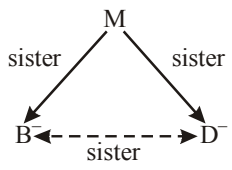
According to statements



- 44. (a) Hence, conclusion I follows.
- 45. (b) Hence, only conclusion II follows.
- 46. (c) **From statement I.**

B and D are sisters of M

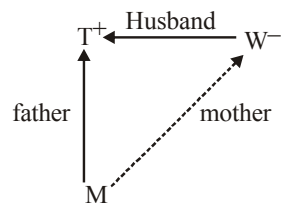
+ indicates Male



- indicates Female

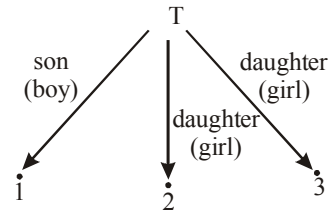
From statement II.

M's father T is husband of W



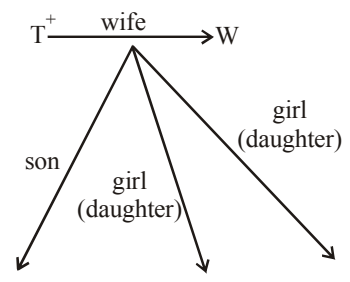
From statement III

Out of the three children which T has, only one is a boy.



From statements II and III

Since W is the wife of T, Hence W has 2 daughters



So, II and III, are required to answer the question.

47. (d) **From statement I,**

$E > B > A$.

From statement II

$\bullet > \bullet > \bullet > C > \bullet > \bullet$

From statement III

$\bullet > \bullet > \bullet > \bullet > D > F$

From statements I, II and III

$E > B > A > C > D > F$

Hence E is the tallest.

So, all I, II and III are required to answer the question.

48. (a) **From statement I**

now or never again \Rightarrow tom ka na sa

From statement II

you come again now \Rightarrow ja ka ta sa

From statement III

again go now or never \Rightarrow na ho ka sa tom

From statement I and III

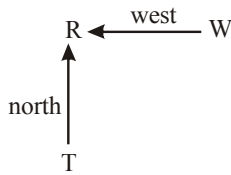
now or never again \Rightarrow tom ka na sa

again go now or never \Rightarrow na ho ka sa tom

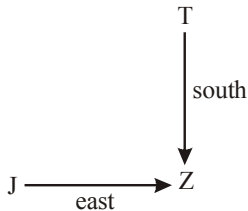
Hence, go \Rightarrow ho

So, only I and III, are required to answer the question.

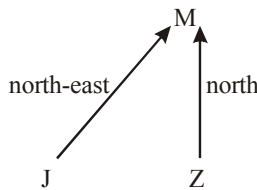
49. (e) From statement I



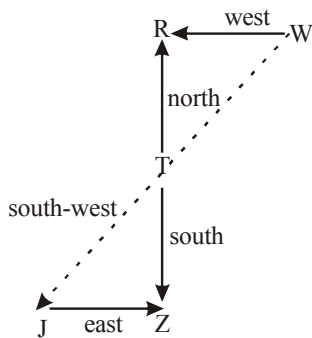
From statement II



From statement III



From statement I and II



Hence, village J is to the south-west of Village W.
So, only I and II are required to answer the question.

50. (e) From statement I, II, III

Monday	Suresh's mother does not visit
Tuesday	
Wednesday	Leave
Thursday	Suresh's mother does not visit
Friday	
Saturday	

From statement II, Suresh visited Chennai the day after his mothers visit and the day of his mother's visit day is not given, so, we cannot answer the question even with all I, II and III.

Sol: 51-55

From the given data we can come up with the following sequence:

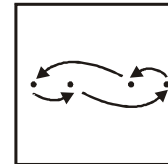
Row 1	P	T	q	v	s	r
Row 2	C	D	e	f	a	b

Sol: 55-60

The following table can be built to infer the answers:

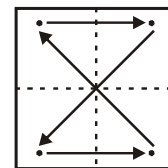
Members	Car	Destination
TZ	Swift	Delhi
PQW	Honda city	Hyderabad
SVR	Ford Icon	Chennai

61. (b) $B > V$... (i) $K < C$... (ii); $C \leq B$... (iii)
No relationship can be find out between V and C .
Hence I does not follow.
From (ii) and (iii), $B > K$. Hence II follows.
62. (d) $K > T$... (i); $S = K$... (ii); $T \leq R$... (iii)
Neither relationship can be established .
63. (c) $U = M$... (i) $P \geq U$... (iii); $M \geq B$... (iii)
Combining, we get $P \geq U = M \geq B \Rightarrow P \geq B$
 $\Rightarrow P = B$ or $P > B$
64. (d) $L \geq N$... (i); $J \leq P$... (ii); $P \geq L$... (iii)
Neither relationship can be established.
65. (e) $H \geq G$... (i); $D > E$... (ii); $H = E$... (iii)
Combining, we get $D > E = H \geq G$
 $\Rightarrow D > H$ and $G < D$
66. (b) From 2nd figure to 1st figure, the group of four symbols moves one step clockwise and the symbols change their position as follows :



The larger figure gets reduced in size and vice-versa.

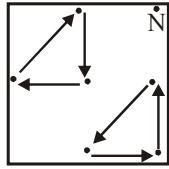
67. (a) From 2nd to 1st figure, lower symbol moves one step upper side, gets enlarged and covers existing design. Inside lowermost symbol change its shape as upper most design.
68. (c) The symbols of horizontal line become vertical and the symbols of vertical line become horizontal. Other four symbols move their position as follows:



69. (a) From 2nd figure to 1st figure, lower side symbol forms at left, left side design forms at upperside after reversing

of its one end, upside symbol forms right after reversing of its one end and the right side symbol forms at lower side after reversing of its one end.

70. (b) From 2nd figure to 1st figure, the symbol move as follows and new symbols form at the place of N.



71. (e) Piece of cake means something easy to do. Therefore, option (e) is the correct choice.
72. (b) Took to one's heels means to run away. Therefore, option (b) is the correct choice.
73. (e) To pledged means to make a promise. Therefore, option (e) is the correct choice.
74. (d) Crying need means a definite or desperate need for someone or something. Therefore, option (d) is the correct choice.
75. (d) Light upon means to arrive at something by chance. Therefore, option (d) is the correct choice.
91. (e) The meaning of the word **Root (Noun)** as used in the passage is : the main cause of something, such as a problem or difficult situation.

92. (b) The meaning of the word **Hardly (Adverb)** as used in the passage is : almost no; almost none. Hardly, barely and scarcely can all be used to say that something is only just true or possible.

Look at the sentence :

Hardly anyone bothered to reply.

93. (b) The meaning of the word **Radiant (Adjective)** as used in the passage is : showing great happiness, love or health; giving a bright light.

94. (a) The word **Reveal (Verb)** means : to make something known to somebody; disclose; display.

Look at the sentence :

Details of the murder were revealed by the local paper. The word **Hide (verb)** means : to put or keep something secret; conceal.

Hence, the antonym of revealed to should be hidden from.

95. (b) The word **Handsome (Adjective)** means good looking; attractive; beautiful to look at.

Look at the sentence :

The two of them made a handsome couple. Its antonym should be **ugly**.

96. (d) Here, **for a picnic** should be used.
98. (a) Here, **The burst from** should be used. The words **blast** and **explosion** are synonymous.
99. (b) Here, **to reveal** should be used.
100. (a) The event shows past time. Hence, Simple Past i.e. My friend became should be used.