SET 19

MODEL SOLVED PAPER

SBI CLERK (PRELIMINARY) ONLINE EXAM

Based on Memory

Held on : 22.05.2016

ENGLISH LANGUAGE

Directions (1–5) : Rearrange the given six sentences/group of sentences (A), (B), (C), (D), (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

(A) A shopkeeper went to the governor with the request to exempt him from these.

(B) The governor refused and ordered him to go to one of the two neighbouring districts.

(C) I can't even go to the long since the Prime Minister is you brother! 'Then go to the other world' shouted the governor.

(D) But the sopkeeper refused saying that these two were governed by the governor's strict relatives and were unlikely to relax taxes.

(E) 'I would but your father died last year,' said the shopkeeper trembling with fear. The governor laughed and ruled more kindly from then on.

(F) The governor of the district was a hard man who continued to collect taxes from citizens despite times being tough.

1. Which of the following should be the **SECOND** sentence after the rearrangement?
(1) A (2) B
(3) C (4) D
(5) E

2. Which of the following should be the **FIRST** sentence after the rearrangement?
(1) A (2) B
(3) C (4) D
(5) F

3. Which of the following should be the **THIRD** sentence after the rearrangement?
(1) A (2) B
(3) D (4) E
(5) F

4. Which of the following should be the **FIFTH** sentence after the rearrangement?
(1) B (2) C
(3) D (4) E
(5) F

5. Which of the following should be the **SIXTH (LAST)** sentence after the rearrangement?
(1) A (2) B
(3) C (4) D
(5) E

Directions (6–15) : Read the following stroy 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.

Once there were four young Brahmins who were disciples of a **learned** guru. They spent many years learning all the scriptures and all this while their guru always cautioned them to use their knowledge prudently. And then one day, they were ready to leave their teachers' **hermitage.** The four Brahmins were excited that they had completed their learning and were now **eager** to test their skills. As they were going through the forest, they saw the bones of an animal lying on the ground. They agreed to compete and test their learning. The first Brahmin put the bones together and **recreated** the skeleton of the dead animal- it was that of a lion! The second Brahmin decided to give the skeleton flesh, blood and skin. As the others watched, he created a perfect lion. The third Brahmin was the cleverest of them all. He decided to breathe life into the body of the lion. But the fourth Brahmin who was not as clever as the others, felt that they were using their powers in vain. When the others did **not pay heed to** what he was saying, he climbed up a tree before the third disciple could give life to the lion.

The fourth Brahmin watched from above, as his friend chanted spells and sprinkled water on the lion. As soon as it came to life, the lion sprang up and killed the three young Brahmins.

6. Which of the following is most nearly the SAME in meaning as the word 'RECREATED' as used in the story?
(1) rebuilt (2) modelled
(3) restarted (4) reclined
(5) delighted

7. Which of the following correctly explains the phrase, 'not pay heed to' as used in the stroy?
(1) heard
(2) attended carefully
(3) withdrew (4) ignored
(5) cautioned

8. Which of the following is most nearly the opposite in meaning to the word 'LEARNED' as used in the story?
(1) skilled (2) jealous
(3) unknowlegeable
(4) violent
(5) daydreamer

9. What aspect of the third Brahmin's gets highlighted through the story?
(1) He was very dull
(2) He was coward
(3) He was a true leader
(4) He was charming
(5) He was clever but unaware of consequence

10. As mentioned in the story, the third Brahmin gave life to the lion because _____.
(A) He wanted to display his skills.
(B) he was simply following his guru's instructions.
(C) he was enthusiastic to practise his learnings.
(1) Only (A) and (C)
(2) Only (B)
(3) Only (B) and (C)
(4) Only (C) (5) Only (A)

11. Which of the following is most nearly the **SAME** in meanings as the word 'HERMITAGE' as used in the story?

MODEL SOLVED PAPER-19

(1) poverty (2) school
(3) shyness (4) freedom
(5) aims

12. Which of the following can be an appropriate title for the story?
(1) Always Make Use of Skills You Learn
(2) The Creative Brahmins
(3) Always Share Your Knowledge With Others
(4) The Most Intelligent Disciples
(5) The Brahmins Who Dug Their Own Graves

13. Which of the following is most nearly the opposite in meaning to the word 'EAGER' as used in the story?
(1) anxious (2) lazy
(3) agile
(4) disinterested
(5) satisfied

14. Which of the following statements is true in the context of the passage?
(1) All the Brahmins possessed equal powers
(2) Not all four Brahmins truly understood the essence of what their guru had taught them
(3) Only the first Brahmin was punished subsequently for his actions
(4) The guru was fond of the second Brahmin.
(5) None of the given statements is true

15. As mentioned in the story, the fourth Brahmin _____.
(A) was afraid of wild animals.
(B) knew the consequences of his actions.
(C) knew he would not be able to protect himself.
(1) Only (A)
(2) Only (B)
(3) Both (B) and (C)
(4) Only (C)
(5) Both (A) and (C)

Directions (16-20) : In these questions, sentences with four bold words are given. One from four words given in the **bold** may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate. If any, that word will be your answer. If all words given in the **bold** are correctly spelt and also appropriate in the context of the sentence then **'All Correct'** is your answer.

16. According to the World Bank report India is **secondary** (1)/ largest **exporter** (2)/ of **infor-mation** (3)/ and communication technology **goods**. (4)/ All correct (5)

17. Though we have a **highly** (1)/ regulated banking system **chances** (2)/ are that a lot of financial activity is **diverted** (3)/ to unregulated **sectars**. (4)/ All correct (5)

18. We must **fond** (1)/ research in green energy technologies to help us **meet** (2)/ the **hugh** (3)/ demand for power in the **coming** (4)/ decade. All correct (5)

19. When the Kharif **season** (1)/ begins in mid June farmers are likely to grow more **foodgrains** (2)/ because of **strong** (3)/ **suport** (4)/ from the government. All correct (5)

20. The **need** (1)/ of the **our** (2)/ for the **public** (3)/ transport system in India is **massive** (4)/ investment and new technology. All correct (5)

Directions (21-25) : In the following questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is your answer. If a sentence is free from errors, your answer is (4) i.e. No error.

21. I want (1)/ all of you (2)/ to remain (3)/ happy for ever. (4)/ No error (5)

22. The king was fond of (1)/ birds and animals (2)/ and had a huge bird sanctuary (3)/ in his kingdom. (4)/ No error (5)

23. Three days have (1)/ pass since (2)/ the lion (3)/ devoured the deer. (4)/ No error. (5)

24. The cows know (1)/ that if they were (2)/ together, no predator (3)/ could attack them. (4)/ No error (5)

25. Mangesh is (1)/ a hard worker (2)/ and is the sole (3)/ bread win of the family. (4)/ No error (5)

Directions (26-30) : In the following passage, there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

It was a sunny day and everyone at the railway station was [26] for the train to arrive. In the crowd, there were youngsters who were on vacation. When the train arrived, everyone got in. The train whistled and started to move. An old man with a young boy aged 15 came running and caught the train. Their seats were close to the youngsters. The young boy was surprised to see everything and exclaimed to his father, 'Dad, the train is moving faster, the young boy screamed again, 'Dad, the trees are green in colour and run backwards very fast'. His father said, 'Yes dear' and smiled. Just like a three-year-old, he was watching everything with great [27] and happiness. A fruit seller came by selling apples and oranges. The young boy said to his dad, 'I want to eat apples.' His father bought him apples. The boy said, 'Oh an apple looks so pretty! I love this colour.'

The group was watching this boy for a [28] and finally asked the boy's father. 'Does your son have a problem? Why is he behaving so differently?' A friend from the group [29] fun at him and shouted, 'I think his son is mad'. The father of the young boy, with patience, replied, 'My son was born blind. Only a few days ago was he opereted on and now has vision. He is seeing all these things for the first time in his life.' Hearing this, the youngsters became very quiet and [30] to the father and the son.

26. (1) expecting (2) stopping
(3) standing (4) waiting
(5) asking

27. (1) sorrow (2) persuasion
(3) enthusiasm
(4) future
(5) apprehension

28. (1) while (2) times
(3) long (4) second
(5) joke

29. (1) made (2) shouted
(3) poked (4) laughed
(5) caught

30. (1) assisted (2) apologised
(3) mentioned
(4) prayed (5) requested

QUANTITATIVE APTITUDE

31. A shopkeeper bought two units of an article at the same price. He sold one unit at a profit of 30%. If on selling the second unit, he incurred a loss which was one-third of the profit earned on the first unit, what was his overall profit percent?
(1) 16 (2) 12
(3) 8 (4) 5
(5) 10

Directions (32–41) : What will come in place of the question mark (?) in the given questions?

32. $\left(\left(\sqrt{\frac{324}{9}} \times 1.5\right)^2\right) = ?$
(1) 18 (2) 36
(3) 3 (4) 81
(5) 9

33. 20% of 270 – 6 = ?²
(1) 18 (2) 9
(3) $4\sqrt{3}$ (4) 3
(5) 2

34. $\left(\frac{2}{3} + 1\frac{1}{5}\right) \times 3 = ?$
(1) $3\frac{1}{2}$ (2) $5\frac{1}{2}$
(3) $1\frac{2}{3}$ (4) $3\frac{2}{3}$
(5) $5\frac{3}{5}$

35. $? \times 25 = 10^4 - 3600$
(1) 214 (2) 298
(3) 222 (4) 284
(5) 256

36. $\left(36 + \sqrt{18} \times \sqrt{6}\right) \div 3 = ?$
(1) $6\sqrt{3}$ (2) $6\sqrt{2}$
(3) $4\sqrt{3}$ (4) $\frac{4}{\sqrt{2}}$
(5) $\frac{4}{\sqrt{3}}$

37. $? - \sqrt{9} - \sqrt{64} = 24$
(1) 35 (2) 30
(3) 45 (4) 44
(5) 36

38. $3\frac{1}{8} + 2\frac{5}{24} = ?$
(1) $6\frac{1}{3}$ (2) $5\frac{1}{3}$
(3) $6\frac{1}{8}$ (4) $5\frac{3}{4}$
(5) $6\frac{3}{8}$

39. $3.7 \times 24 \div 5 = ? \div 7$
(1) 158.5 (2) 164.2
(3) 124.32 (4) 155.1
(5) 161.5

40. ?% of (140 ÷ 6) = 7
(1) 20 (2) 60
(3) 15 (4) 25
(5) 30

41. $25.6 \div 3.2 = 2^? \div 32$
(1) 8 (2) 6
(3) –8 (4) –6
(5) 7

42. In a village only 63% of the registered voters could cast their votes and none of the votes cast were invalid. Only two candidates were contesting the election and the respective ratio of the votes received by them was 4 : 5. If the winning candidate received 1120 votes, what is the number of registered voters in the village?
(1) 3200 (2) 3400
(3) 3600 (4) 3160
(5) 2800

43. A is four times efficient as B. B started the work and after 6 days, A joined him. If the whole work was completed in 12 days, in how many days A alone can finish the whole piece of work?
(1) 10 (2) 9
(3) 8 (4) 12
(5) 6

44. The interest earned by investing a sum of money in scheme A for two years is Rs. 450 more than the interest earned when the same sum is invested in scheme B for the same period. If schemes A and B both offer compound interest (compounded annually) at 30% p.a. and 20% p.a. respectively, what was the sum invested in each scheme?
(1) Rs. 3600 (2) Rs. 1800
(3) Rs. 1600 (4) Rs. 2200
(5) Rs. 1200

45. From his monthly salary, Shyam invests 15% in a scheme, 25% he pays as EMI towards a loan and 40% he keeps aside for his monthly expenses. If the remaining Rs. 4800 he keeps in his bank account, what is his monthly salary?
(1) Rs. 32000
(2) Rs. 40000
(3) Rs. 24000
(4) Rs. 36000
(5) Rs. 29000

46. The height and base of a triangle are equal to the length and breadth of a rectangle respectively. If the perimeter of the rectangle is 90m and the difference between its length and breadth is 7m, what is the area of the triangle? (in sq. metre)
(1) 239 (2) 253
(3) 241 (4) 257
(5) 247

47. When 33.75 is subtracted from the three-fifth of a number, it is equal to 45% of the same number. What is one third of the number?
(1) 36 (2) 69
(3) 25 (4) 72
(5) 75

Directions (48–52) : Study the following table and answer the given questions.

Number of runs scored by 5 batsmen in 5 matches of the tournament :

Batsmen / Matches	A	B	C	D	E
I	100	13	112	45	51
II	54	75	81	96	29
III	96	71	66	88	8
IV	39	96	115	108	65
V	45	117	106	54	108

MODEL SOLVED PAPER-19

48. What is the difference between total number of runs scored by C and D together in Match II and that scored by A and E together in Match IV?
(1) 73 (2) 61
(3) 67 (4) 71
(5) 63

49. The number of runs scored by batsman C in Match II is what percent of the number of runs scored by batsman E in Match V?
(1) $54\frac{1}{3}$ (2) $63\frac{1}{3}$
(3) $61\frac{1}{3}$ (4) $57\frac{1}{3}$
(5) 75%

50. The number of runs scored by A in Match III is what percent more than the number of runs scored by B in Match II?
(1) 42 (2) 28
(3) 24 (4) 32
(5) 36

51. What is the average number of runs scored by batsman B in Matches I, III and V?
(1) 65 (2) 69
(3) 67 (4) 73
(5) 63

52. What is the respective ratio between total number of runs scored by batsman A in Mathes I and II together and that scored by batsman D in matches III and IV together?
(1) 7 : 12 (2) 13 : 16
(3) 11 : 16 (4) 13 : 14
(5) 11 : 14

53. Sum of the perimeter of square-1 and square-2 is 80 cm. If the side of square-2 is three times that of square-1, what is the area of the square-2? (in cm^2)
(1) 36 (2) 81
(3) 225 (4) 144
(5) 324

54. Raj and Prithvi both start a business together, in which Raj invests Rs. x and Prithvi invests Rs. $x + 2000$. At the end of one year, the total profit earned was Rs. 8400, from which Raj's share was Rs. 3600. How much had Prithvi invested in the business?
(1) Rs. 16400
(2) Rs. 12000
(3) Rs. 12500
(4) Rs. 8000
(5) Rs. 16000

55. The sum of the speed of the boat A downstream and the speed of the boat B upstream is 27 km/h. If the speed of boat A in still water is 3 km/h less than that of boat B, what is the respective ratio between the speed of boat A in still water and that of boat B in still water? (Considering the speed of current to be constant).
(1) 4 : 5 (2) 2 : 5
(3) 2 : 3 (4) 3 : 5
(5) 3 : 4

56. The ratio between the present ages of Manthan and his mother is 3 : 7 respectively and that between Manthan and his father is 5 : 14 respectively. What is the respective ratio between the present ages of Manthan's mother and his father?
(1) 5 : 7 (2) 7 : 9
(3) 3 : 5 (4) 2 : 3
(5) 5 : 6

57. There are 40 students in a class. The number of girls is 16 more than the number of boys. If the average weight of the girls in the class is 45 kg and the average weight of the overall class (boys + girls) is 47.7 kg, what is the average weight of boys? (in kg)
(1) 51 (2) 54
(3) 55 (4) 56
(5) 52

58. A 750 ml mixture contains milk and water in the respective ratio of 8 : 7. What quantity of milk can be added to the mixture to get a new mixture containing milk and water in the respective ratio of 8 : 5?
(1) 180 ml (2) 200 ml
(3) 140 ml (4) 120 ml
(5) 160 ml

Directions (59–63) : What will come in place of the question mark (?) in the following number series?

59. 5 4 7 20 79 ?
(1) 408 (2) 372
(3) 394 (4) 350
(5) 386

60. 8 4 4 6 12 ?
(1) 32 (2) 30
(3) 48 (4) 36
(5) 24

61. 1440 ? 48 12 4 2
(1) 640 (2) 960
(3) 720 (4) 240
(5) 540

62. 22 19.7 24.3 17.4 ? 15.1
(1) 33.1 (2) 28.5
(3) 26.6 (4) 32.7
(5) 24.3

63. 32 ? 52 , 88 , 152 , 252
(1) 38 (2) 30
(3) 36 (4) 32
(4) 40

64. A walks from his house at 5 kmph and reaches his office 16 minutes late. Had his speed been 7 kmph, he would have reached office 20 minutes early. What is the distance between A's house and his office? (in km)
(1) 9.5 (2) 13
(3) 10.5 (4) 13.5
(5) 9

65. Ruta invested Rs. P in a scheme offering simple interest at the rate of 12% p.a. If the difference between the interest earned at the end of three years and that earned at the end of five years was Rs. 2880, what is the value of 'P'?
(1) 9000 (2) 10800
(3) 12000 (4) 15000
(5) 18000

REASONING

66. If each consonant in the word 'FRIEND' is changed to the previous letter in the English alphabetical series and each vowel is changed to the next letter in the English alphabetical series, and then the alphabet so formed are arranged in an alphabetical order from left to right, which of the following will be third from the right?

(1) E (2) Q
(3) J (4) C
(5) M

Directions (67–68) : Study the following information carefully and answer the questions given below :

Point Q is 12 m to the East of point P. Point T is 18 m to the South of Point Q.

Sneha who is standing at point T, walks 4 m towards East, takes a left turn and walks 18 m. She takes a right turn, walks for 3 m and stops at Point V.

67. In which direction is Point T with respect to Point V?

(1) North–West
(2) East
(3) West
(4) North
(5) South–West

68. How far and in which direction is Point Q with respect to Point V?

(1) 7m towards West
(2) 16m towards East
(3) 9m towards East
(4) 15m towards East
(5) 19m towards West

69. Among five friends – A, B, C, D and E — each earning a different salary. E earns more then D but less than A. C earns more than A but he does not get maximum salary. Who earns the maximum salary?

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

70. In a certain code language, 'JUGS' is coded as 'KTFT' and 'WHEN' is coded as 'XGDO'. In the same code language, 'ONCE' will be coded as :

(1) PMDF (2) PMBD
(3) NODD (4) PMBF
(5) NODF

Directions (71–75) : Study the following information carefully and answer the questions given below :

Eight persons namely, J, K, L, M, N, O, P and Q are sitting around a circular table facing the centre, but not necessarily in the same order.

- Only three persons sit between N and O.
- J sits to the immediate right of M.
- K sits second to the right of L.
- K is not an immediate neighbour of M.
- P is neither an immediate neighbour of K nor Q.

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

(1) KPN (2) JQK
(3) LKQ (4) MLQ
(5) NOM

72. How many persons are seated between K and J, when counted from the right of K?

(1) One (2) Four
(3) Three (4) Two
(5) More than four

73. Who amongst the following represent the immediate neighbours of K?

(1) O, P (2) Q, O
(3) J, Q (4) O, N
(5) Q, N

74. Who among the following sits third to the left of L?

(1) J (2) Q
(3) M (4) P
(5) N

75. Which among the following statements is true regarding Q, as per the given arrangement?

(1) None of the given options is true
(2) K sits to the immediate left of Q
(3) Q sits third to the left of N
(4) Only two persons sit between Q and O
(5) Only three persons sit between Q and J

Directions (76–80) : In each of the following questions, relationship between different elements is shown in the statements.

The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statements and mark the appropriate answer.

Give answer (1) if both Conclusions I and II are true.

Give answer (2) if neither Conclusions I nor II is true.

Give answer (3) if either Conclusions I or II is true.

Give answer (4) if only Conclusion I is true.

Give answer (5) if only Conclusion II is true.

76. Statement :
$B \leq L < O = A > T$
Conclusions :
I. $O > T$
II. $B < A$

77. Statement :
$A \leq B \leq C = D \leq E$,
Conclusions :
I. $A = E$
II. $E > A$

78. Statements :
$J > U \geq M > P$; $U \leq R \leq N$
Conclusions :
I. $M \leq N$
II. $J < P$

79. Statement :
$K > L \geq M \geq N < O$
Conclusions :
I. $O < K$
II. $N \leq L$

80. Statement :
$B \geq E = A \geq C > H$; $C < T$
Conclusions :
I. $B = T$
II. $B < T$

Directions (81–83) : Study the following information carefully and answer the questions given below :

B is the mother of T. T is the sister of J. J is married to L. L is

the only son of K. K is the daughter of P.

81. How is T related to L?
(1) Cousin (2) Sister
(3) Sister-in-law
(4) Cannot be determined
(5) Niece

82. How is B related to L?
(1) Mother
(2) Mother-in-law
(3) Sister-in-law
(4) Grandmother
(5) Cannot be determined

83. If K is the mother of X, then how is X related to P?
(1) Son (2) Grandson
(3) Daughter
(4) Granddaughter
(5) Cannot be determined

84. In a certain code if 'on the day' is coded as 'la si ko' and 'the setting day' is coded as 'si mu la', what is the code for 'setting' in the given code language? (All the codes are two letter codes only)
(1) mu (2) ko
(3) si
(4) Either 'la' or 'ko'
(5) la

85. How many such pairs of letters are there in the word 'THINK', each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?
(1) More than three
(2) Three (3) Two
(4) None (5) One

Directions (86–90) : The following questions are based on the five three-digit numbers :

732 517 293 315 638

86. In how many of the given numbers, the product of the first and the second digits, is a multiple of the third digit?
(1) Two (2) One
(3) Three (4) None
(5) More than three

87. If '17' is added to all the given numbers, in how many numbers thus formed will the second digit be greater than 7?
(1) None (2) Three
(3) One
(4) More than three
(5) Two

88. If all the given numbers are arranged in descending order from left to right, which of the following will be the sum of the digits of the number which is third from the right?
(1) 9 (2) 12
(3) 17 (4) 13
(5) 14

89. If all the digits of the given numbers are arranged in ascending order within the number, what will be the product of the first and the third digits of the highest number thus formed?
(1) 7 (2) 18
(3) 24 (4) 5
(5) 14

90. If '2' is added to the first digit of all even numbers and '2' is subtracted from the third digit of all odd numbers, in how many numbers thus formed will a digit appear twice?
(1) More than three
(2) One (3) Two
(4) None (5) Three

Directions (91–95) : Study the following information carefully and answer the questions given below :

Seven persons, namely A, B, C, D, E, F and G visit seven different restaurants on seven different days of the same week starting from Monday and ending on Sunday, but not necessarily in the same order.

G visits a restaurant on Thursday. Only two persons visit between G and C. Only four persons visit between C and E. A visits immediately before E. As many persons visit between E and D as there are between A and E. B visits on one of the days after G but not on Saturday.

91. Who amongst the following visits a restaurant on Tuesday?
(1) A (2) E
(3) F (4) D
(5) B

92. Which of the following statements is true about F as per the given arragement?
(1) Only one person visits a restaurant after F.
(2) F visits a restaurant on Sunday
(3) All the given statements are true
(4) C visits a restaurant immediately before F.
(5) Only one person visits between F and D.

93. As per the given arrangement C is ralated to Thursday in a certain way and G is related to Monday in the same way. To which of the following is B related to in the same way?
(1) Saturday (2) Friday
(3) Tuesday (4) Sunday
(5) Wednesday

94. On which of the following days does D visit a restaurant?
(1) Monday (2) Friday
(3) Saturday (4) Sunday
(5) Wednesday

95. Four of the following five are alike in a certain way and they form a group as per the given arrangement. Which of the following does not belong to that group?
(1) FC (2) BF
(3) DG (4) EB
(5) AE

Directions (96–100) : Study the following arrangement carefully and answer the questions given below :

X 5 L @ U C % M P 6 F N 3 * K & Z
G π Q 4 Y J 7 # T R 8 W ^ B V

96. How many such letters are there in the given arrangement each of which is immediately preceded by a number as well as immediately followed by a symbol?
(1) More than three
(2) One (3) None
(4) Two (5) Three

97. If all the numbers are deleted from the given arrangement then which of the following will be the tenth element from the right end?
(1) Q (2) Y
(3) & (4) N
(5) K

98. Which one of the following will come in place of the question-mark (?) in the sequence?

VB8 T#Y Q¤& *36 ?
(1) %C5 (2) M%@
(3) PMU (4) MCL
(5) PU%

99. How many such symbols are there in the given arrangement, each of which is immediately followed by a number and also immediately preceded by a letter?
(1) One
(2) More than three
(3) Two (4) Three
(5) None

100. Which of the following is the eighth to the left of the seventeenth element from the left end of the given arrangement?
(1) 6 (2) F
(3) P (4) M
(5) %

ANSWERS

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

EXPLANATIONS

6. (1) **Recreate (Verb)** = to make something that existed in the past again; to rebuild.
Look at the sentence :
The movie recreates the glamour of 1940s hollywood.

7. (4) **Pay heed to** = to pay careful attention to somebody/ something, take notice of.

8. (3) **Learned (Adjective)** = having a lot of knowledge; scholarly.
Unknowledgeable = not well informed; knowing little
Look at the sentences :
Chanakya was a learned minister.
She is very unknowledgeable about plants.

11. (2) **Hermitage (Noun)** = a place where a hermit lives or lived; school

13. (4) **Eager (Adjective)** = very interested and excited by something; keen.
Look at the sentence :
Everyone in the class seemed eager to learn.

16. (1) **Secondary** = less important than something else
The appropriate word should be - second (= next in order of importance; size, quality etc.)

17. (4) Correct spelling is : sectors.

18. (3) Correct spelling is : huge (= extremely large)

19. (4) Correct spelling is : support (= back; to give help)

20. (2) The appropriate word should be – hour.

21. (4) Here, an Adverb i.e., happily for ever .... should be used.

23. (2) The structure is :
Three days have passed (V_3) since ..... should be used here.

24. (1) Here, use of 'the' is superfluous.
Cows is a plural word.

25. (4) Here, bread earner = on who manages money for food etc. should be used.

31. (5) Let the C.P. of each article be Rs. x

S.P. of first article = Rs. $\left(\frac{130x}{100}\right)$

= Rs. $\left(\frac{13x}{10}\right)$

S.P. of second article

= Rs. $\left(x - x \times \frac{10}{100}\right)$

= Rs. $\left(\frac{9x}{10}\right)$

$\therefore$ Total S.P. = Rs. $\left(\frac{13x}{10} + \frac{9x}{10}\right)$

= Rs. $\left(\frac{22x}{10}\right)$ = Rs. $\left(\frac{11x}{5}\right)$

$\therefore$ Profit = Rs. $\left(\frac{11x}{5} - 2x\right)$

= Rs. $\frac{x}{5}$

$\therefore$ Profit percent = $\frac{\frac{x}{5}}{2x} \times 100$

= 10%

OR

C.P. of each article = Rs. 100
S.P. of first article = Rs. 130
S.P. of second article

= Rs. $\left(100 - \frac{30}{3}\right)$

= Rs. 90
Total S.P. = Rs. (130 + 90)
= Rs. 220
Profit percent

$= \left(\frac{220 - 200}{200}\right) \times 100$

$= \frac{20}{200} \times 100 = 10\%$

32. (4) $? = \left(\sqrt{\frac{324}{9}} \times 1.5\right)^2$

$= \left(\frac{18}{3} \times 1.5\right)^2 = 9^2 = 81$

MODEL SOLVED PAPER-19

33. (3) $?^2 = \frac{20\times270}{100} - 6$

$= 54 - 6 = 48$

$\therefore ? = \sqrt{48} = \sqrt{4\times4\times3}$

$= 4\sqrt{3}$

34. (5) $? = \left(\frac{2}{3}+\frac{6}{5}\right)\times3$

$= \left(\frac{10+18}{15}\right)\times3 = \frac{28}{15}\times3$

$= \frac{28}{5} = 5\frac{3}{5}$

35. (5) $?\times25 = 10^4 - 3600$

$\Rightarrow ?\times25 = 10000 - 3600$

$= 6400$

$\Rightarrow ? = \frac{6400}{25} = 256$

36. (3) $? = \left(36+\sqrt{18}\times\sqrt{6}\right)\div3$

$= \left(36+3\sqrt{2}\times\sqrt{6}\right)\div3$

$= \frac{36\times\sqrt{6}}{3\sqrt{2}\times3} = \frac{4\times\sqrt{6}}{\sqrt{2}} = 4\sqrt{3}$

37. (1) $? - \sqrt{9} - \sqrt{64} = 24$

$\Rightarrow ? - 3 - 8 = 24$

$\Rightarrow ? - 11 = 24$

$\Rightarrow ? = 24 + 11 = 35$

38. (2) $? = 3\frac{1}{8} + 2\frac{5}{24}$

$= \frac{25}{8} + \frac{53}{24} = \frac{75+53}{24}$

$= \frac{128}{24} = \frac{16}{3} = 5\frac{1}{3}$

39. (3) $3.7\times24\div5 = ?\div7$

$\frac{3.7\times24}{5} = ?\div7$

$\Rightarrow 17.76 = \frac{?}{7}$

$\Rightarrow ? = 17.76\times7 = 124.32$

40. (5) ?% of $(140\div6) = 7$

$\Rightarrow \frac{?}{100}\times\frac{140}{6} = 7$

$\Rightarrow ? = \frac{7\times10\times6}{14} = 30$

41. (1) $25.6\div3.2 = 2^7\div32$

$\Rightarrow 8 = \frac{2^7}{32}$

$\Rightarrow 8\times32 = 2^7$

$\Rightarrow 2^3\times2^5 = 2^7 \Rightarrow 2^7 = 2^8$

$\Rightarrow ? = 8$

42. (1) Registered votes in the village = x (let).

Votes polled = $\frac{63x}{100}$

According to the question,

Votes got by the winner

$= 1120$

$\therefore \frac{5}{9}\times\frac{63x}{100} = 1120$

$\Rightarrow \frac{35x}{100} = 1120$

$\Rightarrow x = \frac{1120\times100}{35} = 3200$

43. (2) According to the question,

Time taken by A = x days

$\therefore$ Time taken by B = $4x$ days

$\therefore$ Work done by B in 12 days + work done by A in 6 days $= 1$

$\therefore \frac{12}{4x} + \frac{6}{x} = 1$

$\Rightarrow \frac{3}{x} + \frac{6}{x} = 1$

$\Rightarrow \frac{9}{x} = 1$

$\Rightarrow x = 9$ days

44. (2) Let the investment in each scheme be Rs. x.

$$C.I. = P\left[\left(1+\frac{R}{100}\right)^T - 1\right]$$

According to the question,

$$P\left[\left(1+\frac{30}{100}\right)^2 - 1\right] - P\left[\left(1+\frac{20}{100}\right)^2 - 1\right] = 450$$

$$\Rightarrow P\left[\left(\frac{13}{10}\right)^2 - 1\right] - P\left[\left(\frac{12}{10}\right)^2 - 1\right] = 450$$

$$\Rightarrow P\left(\frac{169}{100} - \frac{144}{100}\right) = 450$$

$$\Rightarrow P\times\frac{25}{100} = 450$$

$$\Rightarrow \frac{P}{4} = 450$$

$\Rightarrow P = 4\times450 =$ Rs. 1800

45. (3) Expenses by Shyam

$= (15 + 25 + 40)\% = 80\%$

$\therefore$ Amount deposited in bank $= 20\%$

If the monthly salary of Shyam be Rs. x, then

$\frac{20x}{100} = 4800 \Rightarrow \frac{x}{5} = 4800$

$\Rightarrow x =$ Rs. (4800×5)

$=$ Rs. 24000

46. (5) Length of rectangle $= x$ metre

Breadth $= y$ metre

According to the question,

$2(x+y) = 90$

$\Rightarrow x + y = 45$ ..... (i)

and $x - y = 7$ ..... (ii)

By adding equations (i) and (ii),

$2x = 45 + 7 = 52$

$\Rightarrow x = \frac{52}{2} = 26$ metre

From equation (i),

$26 + y = 45$

$\Rightarrow y = 45 - 26 = 19$ metre

$\therefore$ Area of triangle

$= \frac{1}{2}\times$ base $\times$ height

$= \frac{1}{2}\times19\times26$

$= 247$ sq. metre

47. (5) Le the number be x.

According to the question,

$\frac{3x}{5} - 33.75 = \frac{45x}{100}$

$\Rightarrow \frac{3x}{5} - \frac{9x}{20} = 33.75$

$\Rightarrow \frac{12x-9x}{20} = 33.75$

$\Rightarrow \frac{3x}{20} = 33.75$

$\Rightarrow 3x = 33.75\times20$

$$\Rightarrow x = \frac{33.75 \times 20}{3} = 225$$

$$\therefore \frac{1}{3} \text{ of } 225 = \frac{225}{3} = 75$$

48. (1) Total runs scored by C and D in the second match
$= 81 + 96 = 177$
Total runs scored by A and E in the fourth match $= 39 + 65 = 104$
Required difference
$= 177 - 104 = 73$

49. (4) Required percent

$$= \frac{81}{108} \times 100 = 75$$

50. (2) Required percent

$$= \left(\frac{96 - 75}{75}\right) \times 100$$

$$= \frac{21}{75} \times 100 = 28\%$$

51. (3) Required average

$$= \frac{13 + 71 + 117}{3}$$

$$= \frac{201}{3} = 67$$

52. (5) Required ratio
$= (100 + 54) : (88 + 108)$
$= 154 : 196$
$= 11 : 14$

53. (3) Side of square $S_1 = x$ cm.
Side of square $S_2 = 3x$ cm.
According to the question,
$4(x + 3x) = 80$

$$\Rightarrow 4x = \frac{80}{4}$$

$$\Rightarrow x = \frac{80}{16} = 5 \text{ cm.}$$

$\therefore$ Side of square $S_2 = 3x$
$= 3 \times 5 = 15$ cm.
$\therefore$ Area of square $S_2 = (15)^2$
$= 225$ sq. cm.

54. (4) Raj : Prithvi $= x : x + 2000$
Sum of the terms of ratio
$=$ Rs. $(x + x + 2000)$
$=$ Rs. $[2x + 2000]$
$\therefore$ Raj's share $= 3600$

$$\Rightarrow \frac{x}{2x + 2000} \times 8400 = 3600$$

$$\Rightarrow \frac{7x}{2x + 2000} = 3$$

$\Rightarrow 7x = 6x + 6000$
$\Rightarrow x =$ Rs. 6000
$\therefore$ Prithvi's investment
$= x + 2000 =$ Rs. 8000

55. (1) Speed of boat B in still water $= x$ kmph
$\therefore$ Speed of boat A in still water $= (x - 3)$ kmph
Speed of current $= y$ kmph
According to the question,
$x - y + x - 3 + y = 27$
$\Rightarrow 2x = 27 + 3 = 30$
$\Rightarrow x = 15$ kmph
$\therefore$ Speed of boat A in still water $= 15 - 3 = 12$ kmph
$\therefore$ Required ratio $= 12 : 15$
$= 4 : 5$

56. (5) $\dfrac{\text{Manthan's mother}}{\text{Manthan}} = \dfrac{7}{3}$

$$\frac{\text{Manthan}}{\text{Manthan's father}} = \frac{5}{14}$$

$$\therefore \frac{\text{Manthan's mother}}{\text{Manthan's father}}$$

$$= \frac{7}{3} \times \frac{5}{14} = \frac{5}{6}$$

57. (2) Boys in the class

$$= \frac{40 - 16}{2} = \frac{24}{2} = 12$$

Girls $= 16 + 12 = 28$
Average weight of boys $= x$ kg
According to the question,
$x \times 12 + 28 \times 45 = 47.7 \times 40$
$\Rightarrow 12x + 1260 = 1908$
$\Rightarrow 12x = 1908 - 1260 = 648$

$$\Rightarrow x = \frac{648}{12} = 54 \text{ kg.}$$

58. (5) In 750 ml of mixture,

$$\text{Milk} = \frac{8}{15} \times 750 = 400 \text{ ml}$$

Water $= 350$ ml
Quantity of milk added $= x$ ml.
According to the question,

$$\frac{400 + x}{350} = \frac{8}{5}$$

$$\Rightarrow 400 + x = \frac{8}{5} \times 350 = 560$$

$\Rightarrow x = 560 - 400 = 160$ ml

59. (3) The pattern is :
$5 \times 1 - 1 = 5 - 1 = 4$
$4 \times 2 - 1 = 8 - 1 = 7$
$7 \times 3 - 1 = 21 - 1 = 20$
$20 \times 4 - 1 = 80 - 1 = 79$
$79 \times 5 - 1 = 395 - 1 =$ **394**

60. (2) The pattern is :

$$8 \times \frac{1}{2} = 4$$

$$4 \times 1 = 4$$

$$4 \times \frac{3}{2} = 6$$

$$6 \times 2 = 12$$

$$12 \times \frac{5}{2} = \boxed{30}$$

61. (4) The pattern is :

$1440 \div 6 =$ **240**
$240 \div 5 = 48$
$48 \div 4 = 12$
$12 \div 3 = 4$
$4 \div 2 = 2$

62. (3) The pattern is :
$22 - 2.3 = 19.7$
$19.7 + 2 \times 2.3 = 19.7 + 4.6$
$= 24.3$
$24.3 - 3 \times 2.3 = 24.3 - 6.9$
$= 17.4$
$17.4 + 4 \times 2.3 = 17.4 + 9.2$
$=$ **26.6**
$26.6 - 5 \times 2.3 = 26.6 - 11.5$
$= 15.1$

63. (3) The pattern is :

$32 + 2^2 = 32 + 4 =$ **36**
$36 + 4^2 = 36 + 16 = 52$
$52 + 6^2 = 52 + 36 = 88$
$88 + 8^2 = 88 + 64 = 152$
$152 + 10^2 = 152 + 100 = 252$

64. (3) Let the distance be x km.
According to the question,
Difference of time $= 16 + 20 =$

36 minutes $= \dfrac{36}{60}$ hour

$= \frac{3}{5}$ hour

$\therefore \frac{x}{5} - \frac{x}{7} = \frac{3}{5}$

$\Rightarrow \frac{7x-5x}{35} = \frac{3}{5}$

$\Rightarrow \frac{2x}{35} = \frac{3}{5}$

$\Rightarrow 2x = \frac{3}{5} \times 35 = 21$

$\therefore x = \frac{21}{2} = 10.5$ km.

65. (3) S.I.

$= \frac{\text{Principal} \times \text{Time} \times \text{Rate}}{100}$

According to the question,

$\frac{P \times 12 \times 5}{100} - \frac{P \times 12 \times 3}{100} = 2880$

$\Rightarrow \frac{60P}{100} - \frac{36P}{100} = 2880$

$\Rightarrow \frac{24P}{100} = 2880$

$\Rightarrow 24P = 2880 \times 100$

$\Rightarrow P = \frac{2880 \times 100}{24}$

= Rs. 12000

66. (3)

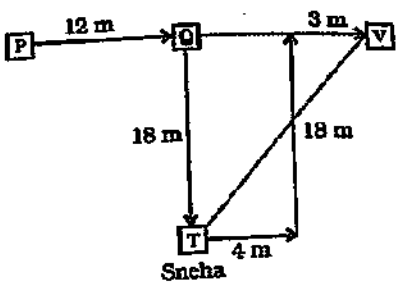
F	R	I	E	N	D
↓ -1	↓ -1	↓ +1	↓ +1	↓ -1	↓ -1
E	Q	J	F	M	C

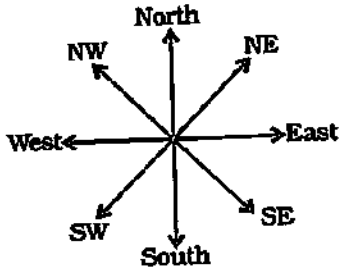
Alphabetical order :

C E F [J] M Q

3rd from the right

(67–69) :





67. (5) Point T is in South–West direction from Point V.

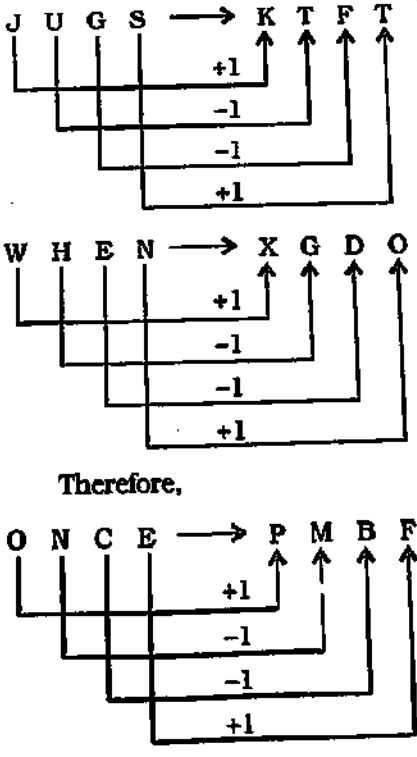
68. (1) Point Q is 7 metre to the West of Point V.

69. (4) A > E > D

C > A

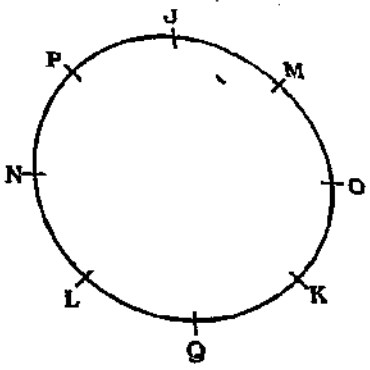
C does not get maximum salary. Therefore, B earns the maximum salary.

70. (4)



Therefore,

(71–75) :



71. (3) Except in the group LKQ, in all others first two persons are sitting just opposite to each other and the third person is sitting to the immediate right of the second person.
In LKQ, the third person is sitting exactly between the first two persons.

72. (4) When counted from the right of K, two persons – O and M – are sitting between K and J.

73. (2) O and Q are immediate neighbours of K.

74. (1) Clearly, J sits third to the left of L.

75. (5) K sits to the immediate right of Q.
Q sits second to the right or sixth to the left of N.
Either one or five persons sit(s) between Q and O.
J sits just opposite Q. Therefore, only three persons sit between J and Q.

76. (1) $B \leq L < O = A > T$

Conclusions

I. O > T : True

II. B < A : True

77. (3) $A \leq B \leq C = D \leq E$

Conclusions

I. A = E : Not True

II. E > A : Not True

A is either smaller than or equal to E. Therefore, either Conclusion I or Conclusion II is true.

78. (4) J > U ≥ M > P

U ≤ R ≤ N

N ≥ R ≥ U ≥ M

J > U ≤ R

Conclusions
I. M ≤ N : True
II. J > R : Not True

79. (5) K > L ≥ M ≥ N < O
Conclusions
I. O < K : Not True
II. N ≤ L : True

80. (2) B ≥ E = A ≥ C > H; C < T
B ≥ E = A ≥ C < T
Conclusions
I. B = T : Not True
II. B < T : Not True

(81–83) :
T is the daughter of B.
J is the wife of L.
K is the mother of L.

81. (3) B is the mother of both J and T.
J is the wife of L.
T is the sister of J.
Therefore, T is the sister-in-law of L.

82. (2) B is the mother of J.
J is the wife of L.
Therefore, B is the mother-in-law of L.

83. (4) L is the only son of K.
K is also the mother of X.
X is the daughter of K.
K is the daughter of P.
Therefore, X is the granddaughter of P.

84. (1)
on the day → la si ko
the setting day → si mu la
The code for 'setting' is 'mu'.

85. (2)

20	8	9	14	11
T	H	I	N	K

86. (2) 732 ⇒ 7 × 3 = 21
517 ⇒ 5 × 1 = 5
293 ⇒ 2 × 9 = 18
And, 18 = 3 × 6
315 ⇒ 3 × 1 = 3
638 ⇒ 6 × 3 = 18

87. (1) 732 + 17 = 749
517 + 17 = 534
293 + 17 = 310
315 + 17 = 332
638 + 17 = 655

88. (4) Descending order of numbers :
732 > 638 > 517 > 315 > 293
Third from the right ⇒ 517
Required sum = 5 + 1 + 7 = 13

89. (3) 732 ⇒ 237
517 ⇒ 157
293 ⇒ 239
315 ⇒ 135
638 ⇒ 368
The highest number ⇒ 368
Required product = 3 × 8 = 24

90. (5)
732 ⇒ 932
517 ⇒ 515
293 ⇒ 291
315 ⇒ 313
638 ⇒ 836

(91–95) :

Day	Person
Monday	A
Tuesday	E
Wednesday	D
Thursday	G
Friday	B
Saturday	F
Sunday	C

91. (2) E visits a restaurant on Tuesday.

92. (1) F visits a restaurant on Saturday.
C visits a restaurant immediately after F.
Two persons visit restaurants between F and D.

93. (3) C visits a restaurant on Sunday and Sunday – 3 = Thursday.
G visits a restaurant on Thursday and Thursday – 3 = Monday.
B visits a restaurant on Friday and Friday – 3 = Tuesday.

94. (5) D visits a restaurant on Wednesday.

95. (4) Except in EB, in all others the first person visits a restaurant immediately before the second person. E visits a restaurant three days before B.

96. (4)

Number	Letter	Symbol

Such combinations are :
5 L @ : 8 W ^

97. (1) According to the question, the new sequence would be :
X L @ U C % M P F N * K & Z G π Q Y J # T R W ^ B V
10th from the right end

98. (2)
V –6→ T –6→ Q –6→ * –6→ M
B –6→ # –6→ π –6→ 3 –6→ %
8 –6→ Y –6→ & –6→ 6 –6→ @

99. (5)

Letter	Symbol	Number

There is no such combination.

100. (3) 17th element from the left end ⇒ Z
8th to the left of Z ⇒ P
TRICK
Required element = 17 – 8 = 9th from the left end
9th from the left end ⇒ P

□□□