SET 18

MODEL SOLVED PAPER

IBPS BANK CLERK CWE-V (PRELIMINARY)

Held on : 06.12.2015 (2nd Sitting) — *Based on Memory*

ENGLISH LANGUAGE

Directions (1–5) : 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 the answer. If a sentence is free from error, your answer is (5) i.e. No error.

1. The king humbly (1)/ thanked the (2)/ noble deer for (3)/ saving his life. (4)/ No error (5)
2. The fierce lion and (1)/ the sly fox became friend (2)/ and decided to (3)/ hunt together. (4)/ No error (5)
3. The clever disciple who (1)/ knew the special verse (2)/ wanted to showed how he was (3)/ better than the others. (4)/ No error (5)
4. When the bison had gone down (1)/ to the water hole to drink, (2)/ the jackal goes up to the lion (3)/ and started speaking to him. (4)/ No error (5)
5. The turtle would have (1)/ loved to accompany (2)/ his friends, but (3)/ he could not fly. (4)/ No error (5)

Directions (6–15) : Read the following passage carefully and answer the questions given below it. Certain words/phrases have been given in **bold** to help you locate them while answering some of the questions.

There once lived an old man. He had three sons. One day, the old man called his three sons and said, 'My end is near! I wish to give you certain things that I have kept for you.' He then gave a rooster to his eldest son, an axe to the second and a cat to the youngest. 'These things may seem **worthless** but everything depends on how sensibly you use them', said the old man.

In a few days, the old man died. His sons decided to make their fortune using the gifts, they received from their father. So, the eldest son went wandering about with his rooster. He crossed many towns and cities until he reached an island where people didn't know how to divide their time. 'Perhaps, this should be the **right** place to use my rooster, he thought. So he called out to the people and said, 'Look! Here is an amazing creature; it has a ruby-red crown upon its head like a knight. It crows four times during the night and when it crows for the last time, the sun soon rises. But, if it crows in broad daylight, then be careful, there will **certainly** be a change in weather.' The people of the island were amazed to see such a creature. 'Is this creature up for sale?' they asked. 'O yes! And the price is as many gold coins as a donkey can carry,' he replied. 'Oh that's just a small price for such a precious and useful creature who will help in keeping track of time,' they replied and willingly gave him the gold coins.

When the eldest son came home with his wealth, the other two were astonished. Now the second son went wandering about with his axe. He crossed many farms where labourers were carrying their own axes. At last, he **chanced upon** an island where people knew nothing about axes. So, he began displaying his axe and started narrating its uses. People were amazed to see such a tool and agreed to buy it for a horse laden with as much gold as it could carry.

Now it was the third son's turn to see what he could get of his cat. He went about wandering through many towns until he reached a place where mice had created a menace and no cat had ever been seen. 'We are fed up of the mice. They are so many that they dance upon our tables and benches and gnaw whatever they catch hold of,' they complained. The youngest son let his cat free for sometime. She began her chase and soon cleared some houses. People were extremely happy to see this. They **begged** the king to buy the wonderful creature for their kingdom. The king readily agreed and bought it for a mule laden with gold. The youngest son happily returned home. Thus, the three sons made the best out of their father's gifts and lived in wealth and prosperity.

6. Which of the following can be an appropriate title for the story?
   (1) Bring Out the Devil in You
   (2) The Rooster and its Crow
   (3) The Mantra to be Successful-Own a Cat or a Rooster
   (4) Make the Best of What You Have
   (5) The Scheming Father
7. Which of the following statements is true in the context of the story?
   (1) The king was reluctant to purchase the cat from the youngest son.
   (2) All three brothers married the king's daughters in the end.

(3) The ailing father had secretly informed the eldest son about making money from his rooster.
(4) The youngest son was too lazy to work; as a result he went last on his quest for wealth.
(5) None of the given statements is true

8. Choose the following which is most nearly the opposite in meaning as the word **'RIGHT'** as used in the story?
(1) dishonest (2) bad luck
(3) unfitted (4) true
(5) left

9. Which of the following correctly explains the meaning of the phrase, **'chanced upon'** as used in the story?
(1) Divided
(2) Went with the flow
(3) Waited for something
(4) Failed to find
(5) Came across

10. Which of the following is most nearly the same in meaning as the word **'BEGGED'** as used in the story?
(1) pleaded with
(2) sued (3) donated
(4) granted
(5) ordered for

11. As mentioned in the story, people of the island bought the rooster because
(A) they genuinely wished to help the eldest son in becoming a merchant.
(B) it would help them manage their time more effectively.
(C) they were amused by its features and wanted it as a pet.
(1) Only (B)
(2) Both (A) and (B)
(3) Only (A) (4) Only (C)
(5) Both (A) and (C)

12. Which of the following is most nearly the opposite in meaning as the word **'CERTAINLY'** as used in the story?
(1) positively (2) cautiously
(3) probably (4) blindly
(5) eccentrically

13. Which of the following characteristics of the father comes across distinctly through the story?
(1) He was aggressive
(2) He was lonely
(3) He rarely became angry
(4) He was wise
(5) He was an animal lover

14. Which of the following is most nearly the same in meaning as the word **'WORTHLESS'** as used in the story?
(1) barren (2) significant
(3) useless (4) abolished
(5) adopted

15. As mentioned in the story, the father gave gifts to his sons because
(1) he didn't want them to fight in his absence.
(2) they had demanded those gifts from him.
(3) those were the only gifts he could afford at that time.
(4) he was trying to take revenge on them by giving gifts which were of no use.
(5) Other than those given as options

Directions (16–20) : Rearrange the following five sentences (A), (B), (C), (D) and (E) in proper sequence to form a meaningful paragraph, then answer the given questions.

(A) Also, crouched on either side of the throne are two enormous beasts known as the Hungry Tiger and the Cowardly Lion.
(B) In the splendid palace of the Emerald city, which is in the centre of the Land of Oz, is a great throne room, where Princess Ozma sits on a throne of glistering emeralds and listen to all the troubles of her people.
(C) So Ozma's big guards are more ornamental than useful and no one realises that better than the beasts themselves.
(D) Around Ozma's throne, on such occasions, are grouped all the important dignitaries of Oz.
(E) These two beasts are Ozma's chief guardians, but as everyone loves the beautiful Princess there has never been any disturbance in the great Throne Room.

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

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

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

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

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

Directions (21–25) : 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 appro-

priate in the context of the sentence, then 'All Correct' is your answer.

21. The **RBI governor** is the **newly appointed** vice Chairman of the Bank for International Settlements and will **ocuppy** the post for three years.
(1) governor (2) newly
(3) appointed
(4) ocuppy (5) All correct

22. In his new book the author **argues** that firms should **generate value** for **societie** as well as shareholders.
(1) argues (2) generate
(3) value (4) societie
(5) All correct

23. You do not **need** to be a **customer** of a **specific** bank in order to **purchase** a gift card from that bank.
(1) need (2) customer
(3) specific (4) purchase
(5) All correct

24. To **deal** with the grievances of tax payers the department will set up **locale committees** in every **region**.
(1) deal (2) locale
(3) committees
(4) region (5) All correct

25. The government has **eased foreign** direct investment **norms crossed** 15 sectors.
(1) eased (2) foreign
(3) norms (4) crossed
(5) All correct

Directions (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 are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

The two fish, named Multiwit and Centiwit lived in a lake with a frog named Uniwit. One evening, as they were sitting by the lake, two fishermen (26) by, planning to come fishing at the lake in the next morning. After (27) the fisherman talk, the frog advised that they should leave the lake (28). Multiwit laughed and said, 'Don't be frightened Uniwit. Our many wits say (29) will happen tomorrow.' Frog, inclined to his instincts and (30) the lake that night. The next morning, fishermen caught Multiwit and Centiwit in their nets. And so it is better to pay heed.

26. (1) walking (2) swimming
(3) went (4) travel
(5) past

27. (1) Listening (2) Hearing
(3) Eavesdropping
(4) Afterwards
(5) Knowing

28. (1) just (2) closely
(3) lately (4) directly
(5) immediately

29. (1) nothing (2) this
(3) which (4) nobody
(5) harm

30. (1) away (2) vanished
(3) left (4) hid
(5) disappeared

NUMERICAL ABILITY

31. Ram invested a certain sum in Scheme A, which offers simple interest at the rate of 12% p.a. for 3 years. He also invested Rs. 6,000 in Scheme B, which offers compound interest (compounded annually) at the rate of 10% p.a. for 2 years. If the interest earned from Scheme A is $\frac{2}{7}$ th of the interest from Scheme B, what is the sum invested in Scheme A?
(1) Rs. 10000 (2) Rs. 12500
(3) Rs. 85000 (4) Rs. 13500
(5) None of these

32. The sum of two positive numbers is 1840. If 40% of the first number is equal to 75% of the second number, what is the larger number among the two?
(1) 1400 (2) 1240
(3) 1560 (4) 1420
(5) 1200

33. $\frac{2}{3}$rd of a number is four more than $\frac{1}{4}$th of another number. If the sum of the two numbers is 17, what is their product?
(1) 72 (2) 64
(3) 48 (4) 63
(5) 92

34. Five years ago, the average of Rimi's age that time and Ruhi's age that time was 12 years. Three years from now, if the respective ratio between Rimi's age and Ruhi's age that time will be 5 : 3, what is Rimi's present age?
(1) 17 years (2) 33 years
(3) 27 years (4) 19 years
(5) 22 years

35. In what respective ratio, wheat of variety A worth Rs. 25 per kg must be mixed with wheat of variety B worth Rs. 18 per kg, so that the new mixture (of both the varieties – A and B) is worth Rs. 20 per kg?
(1) 2 : 5 (2) 3 : 5
(3) 8 : 4 (4) 4 : 3
(5) None of these

36. A boat can travel 10.5 km upstream in 42 minutes. If the speed of the water current is $\frac{1}{6}$th of the speed of the boat in still water, how much distance (in km) the boat can travel downstream in 48 minutes?
(1) 14.8 (2) 15.6
(3) 16.8 (4) 17.4
(5) None of these

37. Naveen spends 55% of his monthly salary on rent, EMI and miscellaneous expenses in the respective ratio of 3 : 4 : 4. If he spends a total of Rs. 20,055 on the rent and EMI together, how much is his monthly salary?
(1) Rs. 50,300 (2) Rs. 49,600

(3) Rs. 46,750 (4) Rs. 57,300
(5) Rs. 56,300

38. There are nine positive observations. Average of the first six observations is 10 and of the last four observations is 17. If the average of these nine observations is 13, what is the sixth observation?
(1) 17 (2) 13
(3) 15 (4) 19
(5) 11

Directions (39–43) : What will come in place of the question mark (?) in the following number series?

39. 16 ? 8 12 24 60
(1) 4 (2) 10
(3) 8 (4) 2
(5) 12

40. 2 3 7 22 89 ?
(1) 215 (2) 446
(3) 268 (4) 312
(5) 584

41. 200 208 192 224 ? 288
(1) 160 (2) 196
(3) 145 (4) 154
(5) 184

42. 188 92 44 20 8 ?
(1) 0.2 (2) 0.5
(3) 2 (4) 4
(5) 0.4

43. 19 36 70 121 ? 274
(1) 202 (2) 169
(3) 189 (4) 194
(5) 171

44. The selling price of 16 chairs is equal to the selling price of 6 tables. If the total selling price of 5 chairs and 3 tables together is Rs. 780, what is the total selling price of 2 chairs and 1 table together?
(1) Rs. 920 (2) Rs. 960
(3) Rs. 980 (4) Rs. 1,060
(5) Rs. 288

45. Two trains started running from the same point at the same time in opposite directions (one towards North and other towards South). The speed of the two trains is 16 m/s and 14 m/s respectively. How much time will they take to be 378 km apart? (in hours)
(1) 2 hours (2) 3 hours
(3) 4 hours (4) 3.5 hours
(5) 5 hours

Directions (46–50) : Study the table and answer the given questions.

Number of members in 5 health clubs during 5 given years :

Year → / Health Club ↓	2009	2010	2011	2012	2013
A	198	198	142	142	187
B	207	125	154	165	190
C	158	163	128	181	165
D	141	147	135	112	141
E	171	140	181	196	167

46. What is the respective ratio between total number of members in health club C in 2009 and 2011 together and that in health club E in the same years together?
(1) 13 : 16 (2) 11 : 16
(3) 9 : 16 (4) 13 : 18
(5) 11 : 18

47. If 62% of the total number of members in health clubs C, D and E together in 2010 are males, what is the total number of male members in health clubs C, D and E together in 2010?
(1) 283 (2) 280
(3) 287 (4) 271
(5) 279

48. What is the difference between total number of members in health clubs A and B together in 2009 and that in health clubs D and E together in 2013?
(1) 83 (2) 87
(3) 97 (4) 93
(5) 91

49. What is the average number of members in health clubs A, C and E in 2012?
(1) 167 (2) 169
(3) 177 (4) 171
(5) 173

50. Number of members in health club B increased by what percent from 2010 to 2013?
(1) 48 (2) 52
(3) 44 (4) 54
(5) 58

51. The LCM of two numbers is 48. The respective ratio of numbers is 2 : 3. What is the sum of numbers ?
(1) 28 (2) 32
(3) 40 (4) 64
(5) None of these

52. The perimeter of an equilateral triangle is 21m more than perimeter of a square. If the respective ratio between the side of the triangle and the side of the square is 9 : 5, what is the area of the square? (in m^2)
(1) 25 (2) 225
(3) 625 (4) 144
(5) 81

53. A and B can independently finish a piece of work in 25 and 20 days. They started working together and after few days A left. After that B could finish the remaining work in 11 days. After how many days A left the work?
(1) 12 (2) 18
(3) 15 (4) 5
(5) 10

54. A and B started a business with an investment which is in the ratio of 5 : 2 respectively. After 6 months from the start of the business, C joined with an investment which was twice A's investment and after 10 months from the start of the business B withdrew all of the amount that he invested. If the total annual profit was Rs. 6518

MODEL SOLVED PAPER–18

what was the difference between A's share in the annual profit and B's share in annual profit?
(1) Rs. 1860 (2) Rs. 1680
(3) Rs. 1580 (4) Rs. 860
(5) Rs. 1866

Directions (55–64) : What will come in place of the question mark (?) in the following questions?

55. $50 \div 5.5 \times 44 + ? = 620$
(1) 180 (2) 175
(3) 215 (4) 220
(5) 225

56. $\left(3\frac{3}{5} \times 8\frac{1}{3}\right) + ? \doteq 4^3$
(1) 26 (2) 24
(3) 34 (4) 36
(5) 16

57. $\left(\frac{5}{9} + 1\frac{3}{5} \div \frac{2}{5}\right)$ of $? = 621$
(1) 261 (2) 162
(3) 279 (4) 216
(5) 243

58. 40% of 325 + 86 = ?% of 270
(1) 75 (2) 20
(3) 25 (4) 70
(5) 80

59. $(0.15 \times 320) \div 4 = 3 \times 2^?$
(1) 2 (2) 3
(3) 1 (4) 4
(5) 0

60. 40% of 620 + 65% of ? = 482
(1) 220 (2) 260
(3) 360 (4) 280
(5) 240

61. $4^2 \times 9^2 \div \sqrt{324} - 40 = 2^?$
(1) 4 (2) 3
(3) 7 (4) 5
(5) 2

62. $\sqrt{121 \times 5 + 845 - 154} = ?^2$
(1) 10 (2) 8
(3) 12 (4) 6
(4) 4

63. $(453.25 + 157.5 + ?) \times \frac{3}{4} = 600$
(1) 161.25 (2) 179.25
(3) 189.25 (4) 182.25
(5) 172.25

64. $\sqrt{2916} + \sqrt{729} = 3^{16-?}$
(1) 10 (2) 12
(3) 14 (4) 9
(5) 16

65. A circular copper wire of radius 14 cm is bent to form a rectangle. If the breadth and the length of the rectangle are in the ratio of 3 : 8 respectively, what is the length of the rectangle? (in cm)
(1) 32 (2) 16
(3) 24 (4) 12
(5) None of these

REASONING

66. In a straight line of twelve persons (facing north), J sits fourth from the right end of the line. Only two persons between J and S. M sits second to the left of S. O sits to the immediate left of M. How many persons sit between O and J?
(1) Three (2) Five
(3) Cannot be determined
(4) None (5) Four

67. In a certain code language READ is written as '# 5 % 6' and PAID is written as '$ % 46'. How is RIPE written in that code language?
(1) # 4 $ 5 (2) # 6 $ 5
(3) $ 4 # 5 (4) $ 4 # 6
(5) Other than those given as options

68. In a certain code language, 'their new pencils' is coded as '731'. Similarly, 'box of pencils' is coded as '352' and 'their wooden box' is coded as '915'. What will be the code for 'wooden' in the given code language?
(1) '5' (2) '9'
(3) Either '5' or '9'
(4) Either '1' or '9'
(5) '1'

Directions (69–70) : Study the following information carefully and answer the questions given below :

69. If K is married to P, then how is D related to K?
(1) Son
(2) Daughter–in–law
(3) Son–in–law
(4) Cannot be determined
(5) Daughter

70. How is T related to B?
(1) Sister (2) Aunt
(3) Mother (4) Niece
(5) Daughter

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

Eight persons – A, B, C, D, E, F, G and H – are sitting around a circular table facing the centre but not necessarily in the same order.
- A sits second to the right of H. C sits third to the right of F.
- F is not an immediate neighbour of A.
- Only one person sits between F and G.
- B is an immediate neighbour of G.
- D sits second to the left of B. D is not an immediate neighbour of G.

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 the group?
(1) DCF (2) GAB
(3) CDH (4) BEG
(5) HFE

72. Which amongst the following statements is true regarding E, as per the given arrangement?
(1) None of the given statements is true
(2) E is one of the immediate neighbours of B.
(3) D sits second to the right of E.
(4) C sits to the immediate left of E.
(5) Only three persons sit between E and G.

73. Who amongst the following represent the immediate neighbours of C?
(1) H, A (2) A, D
(3) B, D (4) D, G
(5) H, G

74. Who among the following sits second to the right of B?
(1) G (2) E
(3) A (4) H
(5) F

75. How many persons are seated between D and H, when counted from the left of D?
(1) Three (2) One
(3) Four (4) Two
(5) None

Directions (76-80) : In each of the following questions, a group of numbers/symbols followed by five combinations of letter codes is given. You have to find out which of the combinations correctly represents the group of numbers/symbols based on the given coding system and the conditions and mark that combination as your answer.

Number or Symbol	5	$	%	9	4	#	8	★	2	@	&	3	+	7	6
Letter Code	P	E	H	U	W	A	C	X	B	G	K	Y	V	Z	J

Conditions :
(i) If the first and the last elements are odd numbers then their codes are to be interchanged.
(ii) If an even number is immediately followed as well as immediately preceded by a symbol then that even number is to be coded as 'O'.
(iii) If the third element is symbol then the first element is to be coded as the code of that symbol.
(iv) If the second last element is an odd number then the code of that odd number is to be interchanged with the code of last element.
(Please Note : All the elements have to be counted from left to right to fulfil the conditions.)

76. 9 7 @ ★ + 4
(1) WZGXVU (2) UZGXDW
(3) UZGXVW (4) GZGXVW
(5) GZGVXW

77. 7 # 6 8 & 3
(1) YADCKZ (2) YAJCKZ
(3) ZAJCKY (4) KAJCKY
(5) ZAJCYK

78. 4 # 5 % 9 2
(1) PAWHUB (2) WAOHBU
(3) BAPHUW (4) BAPWUH
(5) WAPHBU

79. 7 5 4 % 2 $
(1) ZPWHBE (2) HPWHBE
(3) ZPWHOE (4) HPWBOE
(5) EPWHBZ

80. $ 2 4 @ 8 ★
(1) EBWGCX (2) XBOGCE
(3) EBWGOX (4) WBEGCX
(5) XBWGCE

Directions (81-85) : Study the following information carefully and answer the questions given below :

Seven persons — E, F, G, H, M, N and O — are seated in a straight line facing north, with equal distances between each other but not necessarily in the same order.
- H sits third to the right of O. Neither H nor O sits at any of the extreme ends of the line.
- G sits second to left of N. N is not an immediate neighbour of H.
- Only three persons sit between N and E.
- F is not an immediate neighbour of E.

81. How many persons are seated between O and F?
(1) Four (2) Two
(3) Three (4) One
(5) None

82. Who amongst the following sits exactly in the middle of the line?
(1) E (2) F
(3) G (4) O
(5) H

83. Which of the following represents peresons seated at the two extreme ends of the line?
(1) F, G (2) E, F
(3) E, M (4) F, N
(5) E, G

84. What is the position of F with respect to E?
(1) Third to the left
(2) Third to the right
(3) Second to the right
(4) Fourth to the left
(5) Fifth to the right

85. Who amongst the following sits to the immediate right of M?
(1) O (2) G
(3) E (4) H
(5) F

Directions (86-90) : In each of the following questions, relationship between the 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 statement (s) and mark the appropriate answer :

Give answer (1) if both the Conclusion I and Conclusion II are true

Give answer (2) if either Conclusion I or Conclusion II is true

Give answer (3) if neither Conclusion I nor Conclusion II is true

Give answer (4) if only Conclusion I is true

Give answer (5) if only Conclusion II is true

86. **Statement**
$L \leq V \leq O = D$
Conclusions
I. $D = L$
II. $L < D$

87. **Statement**
$J = C > Y = K < X$

MODEL SOLVED PAPER-18

Conclusions
I. X > C
II. K < J

88. Statement
R > E ≥ T = I ≥ M
Conclusions
I. R > I
II. E ≥ M

89. Statement
O < P ≥ I = U < N
Conclusions
I. O < U
II. P > N

90. Statements
H ≤ A < B > W; S = B
Conclusions
I. S > H
II. W < H

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

92. In a certian code language, FLUTE is coded as HJWRG and GIANT is coded as IGCLV. In the same code language, how will PLOTS be coded as?
(1) RJMVU (2) NUMRQ
(3) QMPUT (4) NNMVQ
(5) RJQRU

93. If all the numbers in 67452893 are arranged in ascending order from left to right, the position(s) of how many number(s) will remain unchanged?
(1) None (2) One
(3) Two (4) Three
(5) More than three

Directions (94–95) : Study the following information carefully and answer the questions given below :

Five persons – L, M, N, O and P — have different typing speeds. M types faster than L, but slower than P. O types slower than only one person. L does not type at the slowest speed. The one who types the third fastest types 73 words per minute. The one who types the slowest types 29 words per minute.

94. Who among the following types at the second slowest speed?
(1) L (2) P
(3) O (4) M
(5) N

95. If P types 12 more words per minute than M, then how many words does P type per minute?
(1) 65 (2) 85
(3) 61 (4) 41
(5) 45

Directions (96–100) : The following questions are based on five three digit numbers given below :
395 432 823 657 278

96. The positions of the first and the second digits of each of the numbers are interchanged. What will be the resultant if first digit of highest number thus formed is divided by the third digit of the lowest number thus formed?
(1) 1.5 (2) 1
(3) 4 (4) 3
(5) 2.5

97. If '2' is subtracted from the third digit of every odd number and '1' is added to the second digit of every even number, in how many numbers will a digit appear twice?
(1) Two (2) Three
(3) Four (4) One
(5) None

98. What will be the resultant if third digit of the lowest number and second digit of the highest number are multiplied?
(1) 21 (2) 4
(3) 54 (4) 12
(5) 16

99. If all the numbers are arranged in ascending order from left to right, which of the following will be sum of all the three digits of the number which is fourth from the left?
(1) 13 (2) 18
(3) 9 (4) 17
(5) 15

100. If in each number all the digits are arranged in ascending order from left to right within the number, how many numbers thus formed will be even numbers?
(1) Three
(2) None
(3) Four
(4) One
(5) Two

ANSWERS

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

EXPLANATIONS

2. (2) Here, plural form of friend i.e., the sly fox became friends ..... should be used.

3. (3) **Infinitive** = to + V_1
Hence, wanted to show how he was ..... should be used here.

4. (3) The sentence shows past time. Hence, Past Simple i.e., the jackal went up to the lion ..... should be used.

8. (3) **Right (Adjective)** = suitable; correct for a particular situation.
Unfitted (Adjective) = not suitable for something.
Look at the sentences :
Is this the right way to the beach?
She felt herself unfitted for marriage.

9. (5) **Chance upon something** = to find or meet something unexpectedly or by chance; come across.
Look at the sentence :
One day he chanced upon Ram's diary and began reading it.

10. (1) **Beg (Verb)** = to ask somebody for something in an anxious way because you need it very much; plead.
Look at the sentences :
He wants to see them beg for mercy.
I was forced to plead for my child's life.

12. (3) **Certainly (Adverb)** = without doubt; definitely.
Probably (Adverb) = something likely to happen.
Look at the sentences :
I am certainly never going there again.
You are probably right.

14. (3) **Worthless (Adjective)** = having no practical or financial value; useless.
Look at the sentence :
Critics say his paintings are worthless.

21. (4) Correct spelling is : occupy.

22. (4) Correct spelling is : society.

24. (2) Correct spelling is : local.

25. (4) Appropriate word should be : across

27. (3) **Eaves-drop** = to listen secretly to what other people are saying.
Look at the sentence :
We caught him eavesdropping outside the window.

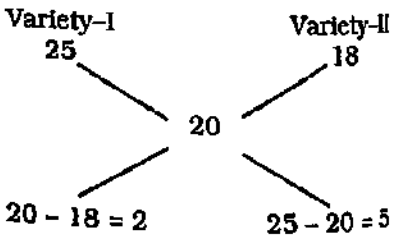
31. (1) Let investment in scheme A be Rs. P.
S.I. from scheme A
$= \frac{\text{Principal} \times \text{Time} \times \text{Rate}}{100}$
$= \frac{P \times 3 \times 12}{100} = \text{Rs. } \frac{36P}{100}$
C.I. from scheme B
$= P_1\left[\left(1+\frac{R}{100}\right)^T - 1\right]$
$= 6000\left[\left(1+\frac{10}{100}\right)^2 - 1\right]$
$= 6000\left[\left(\frac{11}{10}\right)^2 - 1\right]$
$= 6000\left(\frac{121}{100} - 1\right)$
$= \frac{6000 \times 21}{100} = \text{Rs. } 1260$
According to the question,
$\frac{36P}{100} = \frac{2}{7} \times 1260$
$\Rightarrow \frac{36P}{100} = 360$
$\Rightarrow P = \frac{360 \times 100}{36} = \text{Rs. } 1000$

32. (5) First number = a (let)
$\therefore$ Second number
$= 1840 - a$
According to the question,
$\frac{40a}{100} = \frac{75}{100}(1840 - a)$
$\Rightarrow 8a = 15(1840 - a)$
$\Rightarrow 8a = 15 \times 1840 - 15a$
$\Rightarrow 8a + 15a = 15 \times 1840$
$\Rightarrow 23a = 15 \times 1840$
$\Rightarrow a = \frac{15 \times 1840}{23} = 1200$
= Larger number

33. (1) First number = a (let)
$\therefore$ Second number = $17 - a$
According to the question,
$\frac{2a}{3} = \frac{17-a}{4} + 4$
$\Rightarrow \frac{8a}{3} = (17 - a) + 16$
$\Rightarrow 8a = 51 - 3a + 48$
$\Rightarrow 8a + 3a = 99$
$\Rightarrow 11a = 99$
$\Rightarrow a = \frac{99}{11} = 9$
$\therefore$ Second number = $17 - 9 = 8$
$\therefore$ Required product
$= 9 \times 8 = 72$

34. (5) 5 years ago,
Age of Rimi and Ruhi
$= 2 \times 12 = 24$ years
At present,
Age of Rimi and Ruhi
$= 24 + 10 = 34$ years
3 years hence from today,
$5x + 3x = 34 + 6$
$\Rightarrow 8x = 40$
$\Rightarrow x = \frac{40}{8} = 5$
$\therefore$ Rimi's present age
$= 5x - 3 = 5 \times 5 - 3 = 22$ years

35. (1) By alligation,



$\therefore$ Required ratio = 2 : 5

36. (3) Rate upstream of boat
$= \left(\frac{10.5}{\frac{42}{60}}\right)$ kmph
$= \left(\frac{10.5 \times 60}{42}\right)$ kmph
= 15 kmph

If the rate of current be x kmph, then
Speed of boat in still water $= 6x$ kmph
$\therefore$ Rate upstream $= 6x - x$
$= 5x$ kmph.
$\therefore$ $5x = 15$

$\Rightarrow x = \frac{15}{5} = 3$ kmph.

$\therefore$ Rate downstream of boat $= 7x$ kmph
$= 7 \times 3 = 21$ kmph
$\therefore$ Distance covered in 48 minutes $= \left(21 \times \frac{48}{60}\right)$ km.
$= 16.8$ km.

37. (4) Naveen's monthly salary = Rs. x (let).
Expense on rent, EMI and miscellaneous items

$= \frac{55x}{100} =$ Rs. $\frac{11x}{20}$

Expense on rent and EMI

$=$ Rs. $\left(\frac{7}{11} \times \frac{11x}{20}\right) =$ Rs. $\frac{7x}{20}$

According to the question,

$\frac{7x}{20} = 20055$

$\Rightarrow x = \frac{20055 \times 20}{7}$

$=$ Rs. 57300

38. (5) Sixth observation
$= 10 \times 6 + 17 \times 4 - 9 \times 13$
$= 60 + 68 - 117$
$= 11$

39. (3) The pattern is :

$16 \times \frac{1}{2} = \boxed{8}$

$8 \times 1 = 8$

$8 \times \frac{3}{2} = 12$

$12 \times 2 = 24$

$24 \times 2.5 = 60$

40. (2) The pattern is :
$2 \times 1 + 1 = 2 + 1 = 3$
$3 \times 2 + 1 = 6 + 1 = 7$
$7 \times 3 + 1 = 21 + 1 = 22$
$22 \times 4 + 1 = 88 + 1 = 89$
$89 \times 5 + 1 = 445 + 1 = \boxed{446}$

41. (1) The pattern is :
$200 + 8 = 208$
$208 - 2 \times 8 = 208 - 16 = 192$
$192 + 2 \times 16 = 192 + 32 = 224$
$224 - 2 \times 32 = 224 - 64$

$= \boxed{160}$

$160 + 2 \times 64 = 160 + 128 = 288$

42. (3) The pattern is :

$\frac{188}{2} - 2 = 94 - 2 = 92$

$\frac{92}{2} - 2 = 46 - 2 = 44$

$\frac{44}{2} - 2 = 22 - 2 = 20$

$\frac{20}{2} - 2 = 10 - 2 = 8$

$\frac{8}{2} - 2 = 4 - 2 = \boxed{2}$

43. (3) The pattern is :
$19 + 1 \times 17 = 36$
$36 + 2 \times 17 = 36 + 34 = 70$
$70 + 3 \times 17 = 70 + 51 = 121$
$121 + 4 \times 17 = 121 + 68 = \boxed{189}$
$189 + 5 \times 17 = 189 + 85 = 274$

44. (5) S.P. of 1 chair = Rs. x (let)
S.P. of 1 table = Rs. y (let)
$\therefore$ $16x = 6y$ ....(i)
and $5x + 3y = 780$
$\Rightarrow$ $10x + 6y = 2 \times 780$
$\Rightarrow$ $10x + 16x = 2 \times 780$
$\Rightarrow$ $26x = 2 \times 780$

$\Rightarrow x = \frac{2 \times 780}{26} = 60$

From equation (i),
$6y = 16 \times 60$

$\Rightarrow y = \frac{16 \times 60}{6} =$ Rs. 160

$\therefore$ $2x + y =$ Rs. $(2 \times 60 + 160)$
$=$ Rs. 288

45. (4) Trains are moving in opposite directions.
$\therefore$ Relative speed $= 16 + 14$
$= 30$ m/sec.

$= \left(30 \times \frac{18}{5}\right)$ kmph

$= 108$ kmph
$\therefore$ Required time

$= \frac{\text{Distance}}{\text{Relative speed}} = \frac{378}{108}$

$= 3.5$ hours

46. (1) Required ratio
$= (158 + 128) : (172 + 181)$
$= 286 : 352$
$= 13 : 16$

47. (5) Number of members in health clubs C, D and E in 2010 $= 163 + 147 + 140 = 450$
Number of males

$= \frac{450 \times 62}{100} = 279$

48. (3) Required difference
$= (198 + 207) - (141 + 167)$
$= 405 - 308 = 97$

49. (5) Required average

$= \frac{142 + 181 + 196}{3} = \frac{519}{3}$

$= 173$

50. (2) Percentage increase

$= \frac{190 - 125}{125} \times 100$

$= \frac{6500}{125} = 52\%$

51. (3) Let the numbers be $2x$ and $3x$.
Their LCM $= 6x$

$\therefore$ $6x = 48 \Rightarrow x = \frac{48}{6} = 8$.

$\therefore$ Sum of numbers
$= 5x = 5 \times 8 = 40$

52. (2) Side of triangle
$= 9x$ metre
Side of square $= 5x$ metre
According to the question,
$3 \times 9x - 4 \times 5x = 21$
$\Rightarrow$ $27x - 20x = 21$
$\Rightarrow$ $7x = 21 \Rightarrow x = 3$
$\therefore$ Side of square $= 5x$
$= 5 \times 3 = 15$ metre
$\therefore$ Area of square $= 15 \times 15$
$= 225$ sq. metre

53. (4) Let A worked for x days.
$\therefore$ A's x days' work + B's $(x + 11)$ days' work $= 1$

$\Rightarrow \frac{x}{25} + \frac{x + 11}{20} = 1$

$\Rightarrow \frac{x}{25} + \frac{x}{20} = 1 - \frac{11}{20}$

$= \frac{9}{20}$

$\Rightarrow \frac{4x + 5x}{100} = \frac{9}{20}$

$\Rightarrow 9x = \frac{9}{20} \times 100 = 9 \times 5$

$\Rightarrow x = \frac{9 \times 5}{9} = 5$ days

54. (1) A's investment = Rs. $5x$
B's investment = Rs. $2x$
C's investment = Rs. $10x$
Ratio of the equivalent capitals of A, B and C for 1 month
$= 5x \times 12 : 2x \times 10 : 6 \times 10x$
$= 3 : 1 : 3$
Sum of the terms of the ratio $= 3 + 1 + 3 = 7$
∴ Difference between the shares of A and B $= \frac{2}{7} \times 6510$
= Rs. 1860

55. (4) $50 \times \frac{1}{5.5} \times 44 + ? = 620$

$\Rightarrow 400 + ? = 620$
$\Rightarrow ? = 620 - 400 = 220$

56. (3) $\frac{18}{5} \times \frac{25}{3} + ? = 4^3$

$\Rightarrow 30 + ? = 64$
$\Rightarrow ? = 64 - 30 = 34$

57. (5) $\left(\frac{5}{9} + \frac{8}{5} + \frac{2}{5}\right) \times ? = 621$

$\Rightarrow \left(\frac{25 + 72 + 18}{45}\right) \times ? = 621$

$\Rightarrow \frac{115}{45} \times ? = 621$

$\Rightarrow ? = \frac{621 \times 45}{115} = 243$

58. (5) $\frac{40 \times 325}{100} + 86 = \frac{?\times 270}{100}$

$\Rightarrow 130 + 86 = \frac{?\times 270}{100}$

$\Rightarrow 216 = \frac{?\times 270}{100}$

$\Rightarrow ? = \frac{216 \times 100}{270} = 80$

59. (1) $\left(\frac{0.15 \times 320}{4}\right) = 3 \times 2^?$

$\Rightarrow \frac{48}{4} = 3 \times 2^?$

$\Rightarrow 12 = 3 \times 2^?$

$\Rightarrow 2^? = \frac{12}{3} = 4$

$\Rightarrow 2^? = 2^2 \Rightarrow ? = 2$

60. (3) $\frac{40 \times 620}{100} + \frac{65 \times ?}{100} = 482$

$\Rightarrow 248 + \frac{65 \times ?}{100} = 482$

$\Rightarrow \frac{65 \times ?}{100} = 482 - 248 = 234$

$\Rightarrow ? = \frac{234 \times 100}{65} = 360$

61. (4) $4^2 \times 9^2 \div \sqrt{324} - 40 = 2^?$

$\Rightarrow \frac{4^2 \times 9^2}{18} - 40 = 2^?$

$\Rightarrow 72 - 40 = 2^? \Rightarrow 32 = 2^?$
$\Rightarrow 2^? = 2^5 \Rightarrow ? = 5$

62. (4) $?^2 = \sqrt{121 \times 5 + 845 - 154}$

$= \sqrt{605 + 845 - 154}$

$= \sqrt{1296} = 36$

$\therefore ? = \sqrt{36} = 6$

63. (3) $(453.25 + 157.5 + ?) \times \frac{3}{4} = 600$

$\Rightarrow 610.75 + ? = \frac{600 \times 4}{3} = 800$

$\Rightarrow ? = 800 - 610.75 = 189.25$

64. (3) $\sqrt{2916} + \sqrt{729} = 3^{18-?}$

$\Rightarrow 54 + 27 = 3^{18-?}$
$\Rightarrow 81 = 3^{18-?}$
$\Rightarrow 3^4 = 3^{18-?}$
$\Rightarrow 18 - ? = 4$
$\Rightarrow ? = 18 - 4 = 14$

65. (1) Length of wire $= 2\pi r$

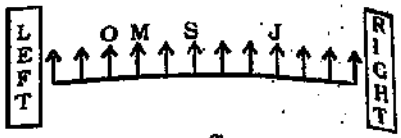
$= 2 \times \frac{22}{7} \times 14 = 88$ cm.

Breadth of rectangle $= 3x$ cm.
Length $= 8x$ cm.
$\therefore 2(8x + 3x) = 88$

$\Rightarrow 22x = 88 \Rightarrow x = \frac{88}{22} = 4$

∴ Length of rectangle $= 8x$
$= 8 \times 4 = 32$ cm.

66. (2)



There are five persons between J and O.

67. (1)

R	E	A	D
↓	↓	↓	↓
#	5	%	6

P	A	I	D
↓	↓	↓	↓
$	%	4	6

Therefore,

R	I	P	E
↓	↓	↓	↓
#	4	$	5

68. (2)

their new pencils → 7 3 1

(box) of pencils → 3 (5) 2

their wooden (box) → 9 1 (5)

wooden ⇒ 9

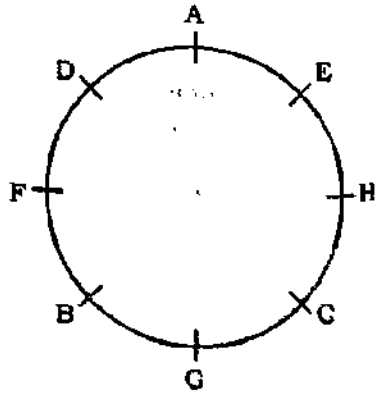
(69–70) :

P is the mother of B and G.
G is the daughter of P.
D is the husband of G.
T is the daughter of D and G.

69. (3) K is the husband of P.
D is the husband of G.
G is the daughter of K and P.
Therefore, D is the son-in-law of K.

70. (4) T is the daughter of D and G.
B is the brother of G.
G is the sister of B.
Therefore, T is niece of B.

(71–75) :



MODEL SOLVED PAPER-18

71. (2) In all the groups, the first person is sitting just opposite to the second person. Except in the GAB, in all other groups the third person sits to the immediate right if the first person. In GAB, B is to the immediate left of G.

72. (3) E sits just opposite to B. C sits second to the left of E. Either two or four persons sit between E and G.

73. (5) H and G are immediate neighbours of C.

74. (1) C sits second to the right of B.

75. (4) When counted from the left of D, two persons–A and E–are seated between D and H.

76. (4)

9	7	@	★	+	4
↓	↓	↓	↓	↓	↓
G	Z	G	X	V	W

Condition (iii) is applicable.

77. (2)

7	#	6	8	&	3
↓	↓	↓	↓	↓	↓
Y	A	J	C	K	Z

Condition (i) is applicable.

78. (5)

4	#	5	%	9	2
↓	↓	↓	↓	↓	↓
W	A	P	H	B	U

Condition (iv) is applicable.

79. (1)

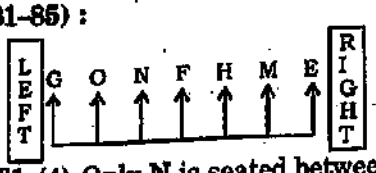
7	5	4	%	2	$
↓	↓	↓	↓	↓	↓
Z	P	W	H	B	E

80. (3)

$	2	4	@	8	★
↓	↓	↓	↓	↓	↓
E	B	W	G	O	X

Condition (ii) is applicable.

(81–85) :



81. (4) Only N is seated between O and F.

82. (2) F sits exactly in the middle of the line.

83. (5) G and E are seated at the two extreme ends of the line.

84. (1) F sits third to the left of E.

85. (3) E sits to the immediate right of M.

86. (2) $L \le V \le O = D$
$L < V < O = D$
$L = V = O = D$

Conclusions
I. $D = L$: Not True
II. $L < D$: Not True
L is either smaller than or equal to D. Therefore, either Conclusion I or Conclusion II is true.

87. (5) $J = C > Y = K < X$
Conclusions
I. $X > C$: Not True
II. $K < J$: True

88. (1) $R > E \ge T = I \ge M$
Conclusions
I. $R > I$: True
II. $E \ge M$: True

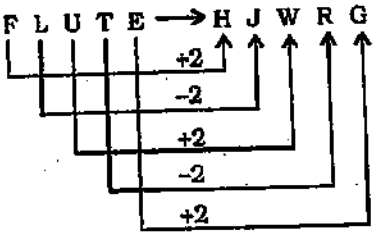
89. (3) $O < P \ge I = U < N$
Conclusions
I. $O < U$: Not True
II. $P > N$: Not True

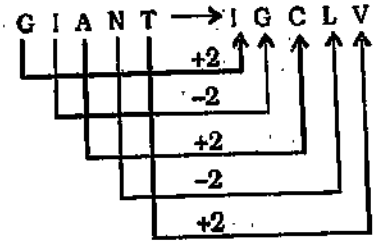
90. (4) $H \le A < B > W$
$S = B$
$H \le A < B = S$
Conclusions
I. $S > H$: True
II. $W < H$: Not True

91. (2)

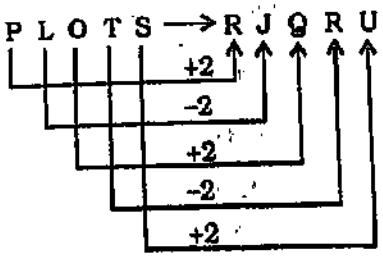
3	8	21	14	11	19
C	H	U	N	K	S

92. (5)





Therefore,



93. (3)

6	7	4	5	2	8	9	3
2	3	4	5	6	7	8	9

(94–95) :

$P > M > L$

$\square > O > \square, \square, \square$

$P > M > L > \square$

$P > O > M > L > N$

↓	↓
73	29
words	words

94. (1) L types at the second slowest speed.

95. (2) M types 73 words per minute.
Therefore, P types 73 + 12 = 85 words per minute

96. (4) 395 ⇒ 935
432 ⇒ 342
823 ⇒ 283
657 ⇒ 567
278 ⇒ 728
Highest number ⇒ 935
Its first digit ⇒ 9
Lowest number ⇒ 283
Its third digit ⇒ 3
Required resultant ⇒ $\frac{9}{3} = 3$

97. (3) 395 ⇒ 398
432 ⇒ 442
823 ⇒ 821
657 ⇒ 655,
278 ⇒ 288

98. (5) Lowest number ⇒ 278
Its third digit ⇒ 8
Highest number ⇒ 823
Its second digit ⇒ 2
Required resultant ⇒ 8 × 2 = 16

99. (2)
$278 < 395 < 432 < 657 < 823$
Fourth number from left ⇒ 657
Required sum ⇒ 6 + 5 + 7 = 18

100. (1) 395 ⇒ 359
432 ⇒ 234
823 ⇒ 238
657 ⇒ 567
278 ⇒ 278