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EXAM For : IBPS CLERKS (PRELIMINARY)

MODEL PAPER-1

Max Marks :100

Time : 60Min

ENGLISH LANGUAGE

Directions (1-10) : Read the following passage carefully and answer the questions given below it. Certain words are printed in **bold** to help you locate them while answering some of the questions.

The Sun, while going on his daily rounds saw a princess and fell in love with her. Whenever he could slip away from the heavens he would take human form and go down to the princess to spend some time with her. The princess too became quite fond of him and would wait for him to come. One day the Sun decided to send her a blood-red ruby as a **token** of his love for her. He put the gem in a silk bag, and calling a crow that was flying past, asked the bird to deliver the gem to his beloved. Crows had milky white feathers in those days and it was considered **auspicious** if a crow came anywhere near you. So the Sun was pleased that he had found a crow to deliver the gem. As the crow sped through the sky with the silken bag, the aroma of food lured him. Looking down the crow saw that a wedding feast was in progress, and immediately it was distracted from its mission. Food was one thing it could never resist!

Alighting on a tree nearby, it hung the bag on a twig and went off to find some food. While the crow was feasting, a merchant passing by saw the bag on the tree, and knocked it down with a pole. When he opened the bag and saw its contents he almost swooned in joy. Quickly pocketing the ruby, he filled the bag with dry cow dung that was lying there, and then **deftly** returned the bag to the branch. It was all done so quickly that the crow missed all the action. After having its fill, it flew up to the tree, and picking up the bag took it to the person it was intended for. The princess was in the garden. When the crow gave her the bag, she took it eagerly, knowing that it was from the Sun. But when she saw its contents she reeled back in shock and anger. Believing that it was the Sun's way of telling her that he did not care for her, she flung the bag away, rushed to her palace, and never came out again. When the Sun learnt of what had happened he was **furious**. So great was his anger that when he turned his **scorching** gaze on the crow, its feathers were burned black. Its feathers have been black

ever since. The ruby did not stay with the man who stole it. It fell out of his pocket and rolled into a deep pit. Men have been trying to dig it out ever since. Many precious stones have been found in the process, making Myanmar one of the richest sources of rubies and sapphires, but the ruby that the Sun sent to the princess is yet to be found.

1. What did the Sun send for the princess as a token of his love?
 - (1) He sent her the crow.
 - (2) He sent her dry cow dung.
 - (3) He sent her a red ruby.
 - (4) He gifted her the city of Myanmar.
 - (5) None of these
2. What led to the discovery of precious stones in Myanmar?
 - (1) Humans discovered the stones in their search for the lost ruby.
 - (2) The crow spread the news of the lost ruby.
 - (3) The princess went in search of the lost ruby and discovered other precious stones.
 - (4) The merchant went in search of the ruby that fell off his pocket.
 - (5) The merchant's clumsiness led to the discovery of precious stones.
3. The joy of the merchant on finding the ruby was short lived because
 - (1) He did not succeed in stealing the ruby.
 - (2) The ruby fell out of his pocket.
 - (3) The crow returned just in time and caught him red handed.
 - (4) He soon discovered many more precious stones.
 - (5) None of these
4. How did the crow get its black colour?
 - (1) The crow was punished by the Sun for its clumsiness.
 - (2) The crow was burned black by the scorching gaze of the angry Sun.
 - (3) The crow was not considered auspicious any more.
 - (4) The crow was cursed by the merchant.
 - (5) None of these
5. What was the crow's mission?
 - (1) To deliver the gift to the princess.

- (2) To attend the wedding.
- (3) To make the Sun angry.
- (4) To keep the princess in her palace
- (5) To protect the princess from the harmful Sun.

6. What message did the princess get after opening the bag?

- (1) That the Sun truly loved her.
- (2) That the crow was an evil bird.
- (3) That the crow was playing a joke on her.
- (4) That the Sun did not love her anymore.
- (5) That the cow dung was a token of the Sun's love for her.

Directions (7-8) : Choose the word which is most nearly the **SAME** in meaning as the word printed in **bold** as used in the passage.

7. **Token**

- (1) Symbol
- (2) Insurance
- (3) Slip
- (4) Assurance
- (5) Investment

8. **Deftly**

- (1) Skillfully
- (2) Blindly
- (3) Eagerly
- (4) Rightfully
- (5) Innocently

Directions (9-10): Choose the word which is most **OPPOSITE** in meaning of the word printed in **bold** as used in the passage.

9. **Scorching**

- (1) Cool
- (2) Heated
- (3) Warm
- (4) Silent
- (5) Composed

10. **Furious**

- (1) Beaming
- (2) Angry
- (3) Forgiving
- (4) Calm
- (5) Sulking

Directions (11-15): 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 (5) i.e. 'No Error'. (Ignore the errors of punctuation, if any.)

11. When we (1)/ reached the shops, (2)/ we find that (3)/ they were all closed.(4)/ No Error (5)
12. Poor people (1)/ has no money (2)/ therefore they cannot

- afford (3)/ proper medical facilities. (4)/ No Error (5)
13. The course is for (1)/ something who is interested (2)/ in learning (3)/ about computers. (4)/ No Error (5)
14. We were surprised (1)/ that she participated (2)/ at the performance (3)/ held at NCPA. (4)/ No Error (5)
15. As soon as (1)/ I getting my (2)/ first salary (3)/ I spent all my money. (4)/ No Error (5)
- Directions (16-20) :** Pick out the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.
16. I was annoyed _____ John for arriving late.
(1) on (2) about
(3) by (4) for
(5) with
17. We are _____ the possibility of buying our own house.
(1) judging
(2) initiating
(3) threatening
(4) applying
(5) considering
18. The student did not pay _____ to the instructions that were given to her in class.
(1) ear (2) awareness
(3) notice (4) attention
(5) closure
19. The young boy was unhurt _____ for a minor injury to his knee.
(1) less (2) except
(3) also (4) just
(5) while
20. There is _____ chance of seeing her again _____ she leaves.
(1) perhaps, when
(2) also, as
(3) little, before
(4) full, therefore
(5) more, after
- Directions (21-25) :** Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.
- (A) At first he got scared, but then he thought, "I have never worshipped her that is why I am not able to get anything from my land."
(B) One day unable to tolerate the summer heat, he went to rest under a big banyan tree.
(C) He rushed to his village and placed his humble offering of milk in a bowl before the snake.
(D) Vishnu Raman was a poor Brahmin and a farmer by profession.
(E) The next day when he returned, he was rewarded with

- a gold coin in the bowl he left behind.
- (F) Just as he was preparing to lie down he saw a huge Cobra swaying with his hood open.
21. Which of the following should be the **SECOND** sentence after the rearrangement?
(1) B (2) C
(3) E (4) D
(5) F
22. Which of the following should be the **FIRST** sentence after the rearrangement?
(1) A (2) D
(3) F (4) C
(5) E
23. Which of the following should be the **FOURTH** sentence after the rearrangement?
(1) E (2) F
(3) B (4) A
(5) D
24. Which of the following should be the **FIFTH** sentence after the rearrangement?
(1) F (2) D
(3) C (4) B
(5) E
25. Which of the following should be the **SIXTH (LAST)** sentence after the rearrangement?
(1) D (2) B
(3) C (4) E
(5) F
- 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.
- Once upon a time there lived a peacock and a tortoise in close proximity and they became the best of friends. The peacock lived on a tree on the [26] of a stream which was the home of the tortoise. It was a daily [27] for the peacock to dance near the stream after he had a drink of water. He would display his great plumage for the amusement of his friend. One unfortunate day, a bird-catcher who was on the [28] caught the peacock and was about to take him away to the market. The unhappy bird begged his captor to allow him to bid his friend the tortoise good-bye, as it would be the [29] time he would see him. The bird-catcher gave in to his request and took him to the tortoise. The tortoise was in tears to see his friend held [30].
26. (1) fence (2) brim
(3) banks (4) base
(5) outlet
27. (1) fact (2) lifestyle
(3) phenomenon
(4) adventure (5) routine

28. (1) prowl (2) guard
(3) rounds (4) duty
(5) alert
29. (1) right (2) last
(3) perfect (4) appropriate
(5) justified
30. (1) captive
(2) custody
(3) affectionately
(4) badly
(5) carelessly

NUMERICAL ABILITY

Directions (31-35) : What should come in place of question mark (?) in the following questions?

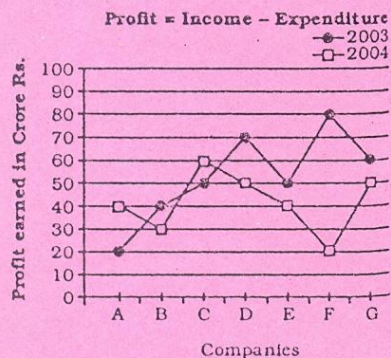
31. 94.5% of $650 = ?$
(1) 606.45 (2) 521.65
(3) 518.55 (4) 614.25
(5) None of these
32. $13^{13} \times 13^7 = ?$
(1) 13^6 (2) 13^{19}
(3) 13^{20} (4) 13^{-6}
(5) None of these
33. $13.33 + 33.31 + 331.13 = ?$
(1) 350.55 (2) 377.77
(3) 350.05 (4) 255.05
(5) None of these
34. $464 + (16 \times 2.32) = ?$
(1) 12.5 (2) 14.5
(3) 10.5 (4) 8.5
(5) None of these
35. $178 + 5 \div 0.5 = ?$
(1) 15.6 (2) 71.2
(3) 17.8 (4) 20.4
(5) None of these
36. A bus covers a distance of 2,924 kms. in 43 hours. What is the speed of the bus?
(1) 72 kmph (2) 60 kmph
(3) 68 kmph
(4) Cannot be determined
(5) None of these
37. If $(11)^3$ is subtracted from the square of a number, the answer so obtained is 7930. What is the number?
(1) 36 (2) 28
(3) 21 (4) 48
(5) None of these
38. What should be the simple interest obtained on an amount of Rs. 5,760 at the rate of 6 p.c.p.a. after 3 years?
(1) Rs. 1,036.80
(2) Rs. 1,666.80
(3) Rs. 1,336.80
(4) Rs. 1,063.80
(5) None of these
39. What is 333 times of 135?
(1) 46,323 (2) 43,623

- (3) 43290 (4) 44955
(5) None of these
40. The product of two successive numbers is 8556. What is the smaller number?
(1) 89 (2) 94
(3) 90 (4) 92
(5) None of these
41. Find the average of the following set of scores :
221, 231, 441, 359, 665, 525
(1) 399 (2) 428
(3) 407 (4) 415
(5) None of these
42. 45% of a number is 255.6. What is 25% of that number?
(1) 162 (2) 132
(3) 152 (4) 142
(5) None of these
43. What is the least number to be added to 4321 to make it a perfect square?
(1) 32 (2) 34
(3) 36 (4) 38
(5) None of these
44. What would be the compound interest obtained on an amount of Rs. 3,000 at the rate of 8 p.c.p.a. after 2 years?
(1) Rs. 501.50
(2) Rs. 499.20
(3) Rs. 495
(4) Rs. 510
(5) None of these.
45. The owner of an electronics shop charges his customer 22% more than the cost price. If a customer paid Rs. 10,980 for a DVD player, then what was the cost price of the DVD player?
(1) Rs. 8,000 (2) Rs. 8,800
(3) Rs. 9,500 (4) Rs. 9,200
(5) None of these
46. If $(78)^2$ is subtracted from the square of the number, the answer so obtained is 6,460. What is the number?
(1) 109 (2) 111
(3) 113 (4) 115
(5) None of these
47. In an examination it is required to get 40% of the aggregate marks to pass. A student gets 261 marks and is declared failed by 4% marks. What are the maximum aggregate marks a student can get?
(1) 700 (2) 730
(3) 745 (4) 765
(5) None of these
48. A, B, and C divide an amount of Rs. 4,200 amongst themselves in the ratio of 7 : 8 : 6 respectively. If an amount of Rs. 200 is added to each of their shares, what will be the new respective ratio of their shares of amount?
(1) 8 : 9 : 6 (2) 7 : 9 : 5
(3) 7 : 8 : 6 (4) 8 : 9 : 7
(5) None of these
49. Ms. Suchi deposits an amount of Rs. 24,000 to obtain a simple interest at the rate of 14 p.c.p.a. for 8 years. What total amount will Ms. Suchi get at the end of 8 years?
(1) Rs. 62080 (2) Rs. 28,000
(3) Rs. 50,880 (4) Rs. 26,880
(5) None of these
50. The average of 5 consecutive even numbers A, B, C, D and E is 52. What is the product of B & E?
(1) 2916 (2) 2988
(3) 3000 (4) 2800
(5) None of these
51. The difference between 42% of a number and 28% of the same number is 210. What is 59% of that number?
(1) 630 (2) 835
(3) 420 (4) 900
(5) None of these
52. What approximate value should come in place of the question mark (?) in the following question?
 $4275 \div 496 \times (21)^2 = ?$
(1) 3795 (2) 3800
(3) 3810 (4) 3875
(5) 3995
53. A canteen requires 112 kgs. of wheat for a week. How many kgs. of wheat will it require for 69 days?
(1) 1,204 kgs. (2) 1,401 kgs.
(3) 1,104 kgs. (4) 1,014 kgs.
(5) None of these
54. If an amount of Rs. 41,910 is distributed equally amongst 22 persons, how much amount would each person get?
(1) Rs. 1,905 (2) Rs. 2,000
(3) Rs. 1,885 (4) Rs. 2,105
(5) None of these
55. The cost of 4 cell-phones and 7 digital cameras is Rs. 1,25,627. What is the cost of 8 cell-phones, and 14 digital cameras?
(1) Rs. 2,51,254
(2) Rs. 2,52,627
(3) Rs. 2,25,524
(4) Cannot be determined
(5) None of these
- Direction (56-60) :** Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and :
- Give answer (1) :** If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
- Give answer (2) :** If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
- Give answer (3) :** If the data in Statement I alone or in Statement II alone are sufficient to answer the question.
- Give answer (4) :** If the data in both the Statements I and II are not sufficient to answer the question.
- Give answer (5) :** If the data in both the Statements I and II together are necessary to answer the question.
56. What is the area of the circle?
I. Perimeter of the circle is 88 cms.
II. Diameter of the circle is 28 cms.
57. What is the rate of interest?
I. Simple interest accrued on an amount of Rs. 25,000 in two years is less than the compound interest for the same period by Rs. 250.
II. Simple interest accrued in 10 years is equal to the principal.
58. What is the number of trees planted in the field in rows and columns?
I. Number of columns is more than the number of rows by 4.
II. Number of trees in each column is an even number.
59. What is the area of the right-angled triangle?
I. Height of the triangle is three-fourth of the base.
II. Hypotenuse of the triangle is 5 metres.
60. What is the father's present age?
I. Father's present age is five times the son's present age.
II. Five years ago the father's

age was fifteen times the son's age that time.

Directions (61-65) : Study the following graph carefully to answer these questions :

Profit earned (in Crore Rs.) by Seven Companies during 2003-04



61. What is the ratio between the profit earned by Company A in 2004 and the profit earned by Company B in 2003 respectively?

- (1) 4 : 3 (2) 3 : 2
(3) 3 : 4 (4) 2 : 3
(5) None of these

62. What is the difference (in crore Rs.) between the total profit earned by companies E, F and G together in 2003 and the total profit earned by these companies in 2004?

- (1) 70 (2) 75
(3) 78 (4) 82
(5) None of these

63. What is the ratio between the total profit earned by company C in 2003 and 2004 together and the total profit earned by company E in these two years respectively?

- (1) 11 : 9 (2) 9 : 10
(3) 10 : 11 (4) 11 : 10
(5) None of these

64. What was the average profit earned by all the companies in 2003? (in crore Rs. rounded-off to two digits after decimal).

- (1) 52.75 (2) 53.86
(3) 52.86 (4) 53.75
(5) None of these

65. Profit earned by company B in 2004 is what per cent of the profit earned by the same company in 2003?

- (1) 133.33 (2) 75
(3) 67.66 (4) 75.25
(5) None of these

REASONING ABILITY

66. How many such pairs of letters are there in the word 'LABOUR' 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) None (2) One
(3) Two (4) Three
(5) More than three

67. What should come next in the letter series given below ?
Z Z Y Z Y X Z Y X W Z Y X
W V Z Y X W V U Z Y X W V
U T Z Y X W V U T

- (1) U (2) Z
(3) R (4) T
(5) None of these

68. In a class of 20 students, Mridul's rank is 12th from the top and Veena's rank is 17th from the bottom. If Rohan's rank is exactly between Mridul and Veena's rank, what is Rohan's rank from the top ?

- (1) 9th (2) 8th
(3) 10th (4) 7th
(5) Cannot be determined

69. How many meaningful English words can be formed with the letters 'EWF' using all the letters only once in each word ?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

70. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group ?

- (1) Tyre (2) Speed
(3) Clutch (4) Brake
(5) Gear

Directions (71-75) : Study the following information carefully and answer the given questions.

Eight friends L, M, N, O, P, Q, R and S are sitting around a circle facing the centre. There are equal number of males and females in the group. No two females are immediate neighbours of each other. N is a male and N sits third to the right of R. O is a female and O is not an immediate neighbour of N. P sits second to the left of O. S sits fourth to the right of L and S is not an immediate neighbour of R. Q is a female.

71. What is Q's position with respect to O ?

- (1) Immediate right
(2) Third to the right
(3) Third to the left
(4) Fourth to the left
(5) Fifth to the right

72. If all the eight friends are made to sit alphabetically in the clockwise direction starting from L, positions of how many will remain unchanged (excluding L)?

- (1) None (2) One
(3) Two (4) Three
(5) Four

73. Which of the following is true about M ?

(1) M sits third to the right of Q

(2) M sits second to the right of L

(3) M is a male

(4) M sits to the immediate left of O

(5) None of these

74. Which of the following represent the females in the group ?

- (1) O, P, Q, S
(2) Q, R, P, O
(3) Q, L, M, O
(4) O, M, Q, R
(5) None of these

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

- (1) LO (2) NL
(3) OP (4) PQ
(5) MS

Directions (76-80) : In each of the questions below, two statements are given followed by two conclusions numbered I and II. You have to take the two statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give answer (1) if only conclusion I follows.

Give answer (2) if only conclusion II follows.

Give answer (3) if either conclusion I or conclusion II follows

Give answer (4) if neither conclusion I nor conclusion II follows.

Give answer (5) if both conclusions I and II follow.

76. Statements :

All tents are cabins.
All cabins are houses.

Conclusions :

- I. All tents are houses.
II. All houses are tents.

77. Statements :

All watches are shoes.
Some watches are rings.

Conclusions :

- I. Some rings are shoes.
II. All rings are shoes.

78. Statements :

All purses are strings.
No string is a basket.

Conclusions :

- I. No purse is a basket.

- II. At least some purses are baskets.

79. Statements :

Some weathers are rains.
Some summers are weathers.

Conclusions :

- I. At least some summers are rains.
II. At least some weathers are summers.

80. Statements :

Some glasses are tablets.
All machines are tablets.

Conclusions :

- I. All tablets being machines is a possibility.
II. All machines being glasses is a possibility.

Directions (81-85) : Study the following information to answer the given questions :

Seven friends—A, B, C, D, E, F and G are sitting in a straight line facing north, not necessarily in the same order. E sits fourth to the left of G. Neither E nor G sits at the extreme ends. A sits third to the right of D. C sits fourth to the left of F. C does not sit at one of the extreme ends.

81. Which of the following represents the friends sitting at the extreme ends of the line?

- (1) B, A (2) D, C
(3) A, F (4) D, F
(5) None of these

82. Who sits exactly in the middle of the row?

- (1) B (2) G
(3) C (4) D
(5) None of these

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

- (1) AC (2) GB
(3) FG (4) BA
(5) DE

84. If all the seven friends are made to sit in alphabetical order from left to right, the positions of how many will remain unchanged?

- (1) Four (2) Three
(3) One (4) Two
(5) None

85. What is B's position with respect to E ?

- (1) Second to the right
(2) Third to the left
(3) Second to the left
(4) Third to the right
(5) None of these

Directions (86-90) : In each question below is given a group of numbers/symbols/letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the com-

binations correctly represents the group of numbers / symbols based on the following coding system and the conditions and mark the number of that combination as your answer.

Numbers/ Symbols	7	3	&	6	%	2	#	°	4	@	1	+	5	\$
Letter Code	S	H	P	W	L	D	K	J	X	Z	Q	T	N	F

Conditions :

- (i) If the first element is a symbol and the last element is a number, then the codes for both are to be interchanged.
(ii) If both the first and last elements are symbols, then the last element is to be coded as the code for the first element.
(iii) If the group of elements contains only one symbol, then that symbol is to be coded as A.

86. %82&47

- (1) LDJPXS (2) SJDPXL
(3) SJDXPL (4) LJDPXS
(5) SDJPXL

87. @4153+

- (1) TXQNHT (2) ZQXN-HZ
(3) TQXNHT (4) ZXQNHT
(5) ZXQNHZ

88. 45631#

- (1) ANWHQX (2) XNWHQK
(3) XNWHQA (4) XNHWQA
(5) KNWHQX

89. 3+5641

- (1) HTNWXQ (2) QANWXH
(3) HANXWQ (4) HANWXQ
(5) QTNWXH

90. 2@7\$4&

- (1) DASFXP (2) PZSAXD
(3) DZSFXP (4) PZSFXP
(5) PZSFXD

Directions (91-95) : In these questions, relationships between different elements is shown in the statements. These statements are followed by two conclusions.

Give answer (1) if only conclusion I follows.

Give answer (2) if only conclusion II follows.

Give answer (3) if either conclusion I or conclusion II follows.

Give answer (4) if neither conclusion I nor conclusion II follows.

Give answer (5) if both conclusions I and II follow.

91. Statement :

$A > L = T < R \leq H > K$

Conclusions : I. $H > L$
II. $K > T$

92. Statement :

$F \leq C \leq V = Z < X = U$

Conclusions : I. $V < U$
II. $Z < F$

93. Statement :

$R = S \geq Y \geq M < W > O$

Conclusions : I. $Y < M$
II. $O > S$

94. Statement :

$Q \leq E < I > N = R \geq S$

Conclusions : I. $E \geq S$
II. $S \leq N$

95. Statement :

$P \geq N > D \geq G < B \leq J$

Conclusions : I. $G < P$
II. $G < J$

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

M I & R S 2 K 3 # T 6 L E % A F G
U \$ H * 5 9 J 4 D W 7 @ Q ! © N B

96. What should come in place of the question mark (?) in the following series based on the above arrangement ?

- &SK TL% G\$* ?
(1) JD7 (2) JW@
(3) JDW (4) 94W
(5) None of these

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

- (1) ©FU (2) J94
(3) R&S (4) T6#
(5) 7W@

98. How many such consonants are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a number ?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

99. If all the symbols are dropped from the arrangement, which of the following will be the twelfth from the left end ?

- (1) F (2) G
(3) E (4) D
(5) None of these

100. Which of the following is eighth to the right of the nineteenth from the right end of the above arrangement ?

- (1) 4 (2) 3
(3) J (4) 9
(5) None of these

ANSWERS

MODEL PAPER - 1

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