

SET

5

## MODEL PRACTICE SET

## 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 to locate them while answering some of the questions.

A pundit was visiting a remote town. The people of the town worried him everyday with invitations for lunch or dinner. "I will only eat in a house where no one has ever told a lie," said the pundit. A very rich man stepped up and said, "Come to my house, Oh Master. No one in my home has ever told a lie." The pundit accepted the invitation. Before going to the rich man's house, the pundit inquired about the rich man and learned everything he could about him. Walking along with the rich man, the pundit asked, "How many children do you have?" "Only one son," replied the rich man. "The people of this town said he had three sons! Why is he saying he has only one? Is he lying?" wondered the pundit, "but I should not be too hasty to judge him. Perhaps he is telling the truth. Let me wait." "How old are you now?" asked the pundit. "I am ten years old," answered the rich man. There he goes again! His hair is grey, his face has wrinkles, he can barely walk, and he says he is only ten years old! No, No. I should not come to a rushed conclusion, I shall give him one more chance," decided the pundit. "How many acres of land do you have?" asked the pundit. "I have only six feet of land for myself," said the rich man. "This is like trying to hide a whole pumpkin in a spoonful of rice!" thought the pundit. "This man is indeed the king of lies! How can I eat in his house? Will it turn me into a liar as well? Let me see how far he can go."

When they arrived at the house the rich man told his wife, we have a special guest today so make him

your best lunch. I will take him to the lake for a walk. We will be back soon. On their way back from the river, they passed an orchard. The rich man plucked two ripe mangoes, and cut a bunch of ripe bananas. "Whose orchard is this?" asked the pundit. "This orchard belongs to the ones who do not sleep a wink at night," replied the rich man. At the house, the rich man's wife had laid out the lunch. "Please come and eat" she said. "I need to clarify a few things first," declared the pundit. "What is it?" asked the rich man. "I know you have three sons, why did you say you had only one?" demanded the pundit. The rich man immediately called for his sons and gave them a task. The eldest and the youngest both said, "Father, you are forever ordering us around". Only the middle son promptly agreed to obey. "Did you see that, Oh Master?" asked the rich man. "I do have three sons, but only one of them truly listens to me." "Fine, but why did you claim that you were only ten years old?" asked the pundit. "I am over sixty," replied the rich man. "But for the last ten years, I have devoted myself to a spiritual life. I believe that it is only then since I have truly lived," replied the rich man.

Excellent answer applauded the pundit. "But you own thousands of acres of fertile land. Why did you claim to have only six feet?" "I have acquired thousands of acres of land. I did every trick in the trade to become rich, but it has only made my sons proud and arrogant. What use is all this wealth to me? When I die, the six feet of land where I will be buried is all that will truly be mine," said the rich man.

The pundit sat down to eat. As he was taking his leave, he asked the rich man, "What did you mean when you said the orchard belongs to the ones who do not sleep a wink at night?" "I do own the orchard and

work hard tending to my trees, but at night, I am so tired that I fall asleep. Meanwhile the thieves, who stay awake all night, steal most of my yield. So in truth the orchard belongs to them. The ones who do not sleep a wink at night" said the rich man.

- On what condition did the pundit agree to invitations for lunch or dinner?
  - He would only eat from a rich man's plate.
  - He would only eat in a house where no one had lied.
  - He would eat in a house that cooked only vegetarian food.
  - He would only eat from a banana leaf.
  - None of these
- Which of the following is said to be true of the rich man?
  - The rich man had three sons.
  - The rich man was fifty years old.
  - The rich man owned vast acres of land.
  - Only (A)    (2) Only (B)
  - Only (C)
  - Only (A) and (B)
  - Only (A) and (C)
- What was the rich man trying to imply when he said that he was only ten years old?
  - He had a near death experience ten years ago.
  - The rich man was trying to appear younger than his actual age.
  - He had truly lived only after he devoted himself to spiritual life.
  - The rich man was trying to convey his innocence to the pundit.
  - The rich man wanted the pundit to know that he was still a child at heart.

MODEL

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4. Why was the pundit hesitant to eat at the rich man's house?

- (1) The pundit was not accustomed to having rich food.
- (2) He felt that the rich man was proud and a two-faced human being.
- (3) The rich man's sons were not at home for lunch.
- (4) He did not want to cause any trouble to the rich man's wife
- (5) He felt that the rich man lied to him.

5. The rich man claimed to have only one son because

- (1) His middle son was the only child who obeyed him.
- (2) His eldest and youngest sons had long been married.
- (3) He had adopted his other two sons.
- (4) He did not want to introduce his eldest and youngest sons to the pundit.
- (5) He only loved his second son, who was taking care of him.

6. Why did the pundit agree to eat at the rich man's house?

- (1) The rich man claimed to have never told a lie.
- (2) The rich man was an old friend of the pundit
- (3) The rich man could afford to treat the pundit.
- (4) The rich man owed the pundit a favour.
- (5) The pundit travelled a long distance and he was tired.

**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. **Tending**

- (1) Growing (2) Supplying
- (3) Watching (4) Attending
- (5) Contributing

8. **Clarify**

- (1) Confirm (2) Explain
- (3) Simplify (4) Describe
- (5) Express

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

9. **Tired**

- (1) Drained (2) Sleepy
- (3) Relaxed (4) Energised
- (5) Exhausted

10. **Special**

- (1) Unique (2) Exclusive
- (3) Rare (4) Important
- (5) Ordinary

**Directions (11 - 15) :** Read this sentence to find out whether there is any grammatical mistake/ error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer. (Ignore the errors of punctuation, if any)

11. In order to better (1)/ access to financial services, (2)/ RBI has granted licenses from (3)/ 11 entities to open payment banks. (4)/ No error (5)

12. If you have taken a home loan (1)/ for the renovation of (2)/ your residence you can claim (3)/ an income tax rebate under this Act. (4)/ No error (5)

13. As the young girl neared the village (1)/ she began to run because (2)/ she wanted to reach home (3)/ as soon as she could to surprise her parents. (4)/ No error (5)

14. Every state has been asked to nominate (1)/ a fixed number of city as (2)/ 'smart cities', keeping in mind (3)/ certain guidelines and criteria. (4)/ No error (5)

15. Unless the government (1)/ encourages investment in (2)/ manufacturing, many factories and (3)/ industrial units will closed. (4)/ No error (5)

**Directions (16 - 20) :** In each question below, four words printed in bold type are given. These are numbered (1), (2), (3) and (4). One of these words printed in **bold** may either be **wrongly spelt** or **inappropriate** in the context of the sentence. Find out the word that is inappropriate or wrongly spelt, if any. The number of that word is your answer. If all the words printed in **bold** are correctly spelt and appropriate in the context of the sentence then mark (5) i.e. 'All Correct' as your answer.

16. The Principle (1)/ insisted that the teachers (2)/ set an example (3)/ for the students (4)/. All correct (5)

17. All drivers (1)/ must carry (2)/ their license (3)/ and insurance papers. (4)/. All correct (5)

18. Children normally (1)/ respond (2)/ to praise (3)/ and encouragement (4)/. All correct (5)

19. Modern (1)/ farm implements (2)/ have revolutionised (3)/ the agricultural industry (4)/ All correct (5)

20. The mountain (1)/ range (2)/ has many high peaks (3)/ and deep canyons (4)/. All correct (5)

**Directions (21-25) :** Rearrange the given six 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) The sky god welcomed them when they arrived and pointing at the delicious food platters said, "This is for all of you!"

(B) There was a famine in the forest and the tortoise was starving.

(C) The birds stuck feathers to his arms and legs so that he could fly, "Call me 'All of you' in my new appearance," he commanded.

(D) The next week the birds held a feast on land and invited the tortoise, but when he reached the venue, they announced that no one could eat with dirty claws so the tortoise rushed to the pond and cleaned his limbs, but every time he did so he dirtied them on the way back to which the birds simply said, "Watch as we eat!"

(E) He heard about the feast being given by the sky god to the birds and convinced the birds to take him with them.

(F) The tortoise immediately said that the food was meant for him and ate it up leaving the birds feeling cheated.

21. Which of the following should be the **THIRD** sentence after the rearrangement?

- (1) A (2) B  
(3) C (4) D  
(5) F
22. Which of the following should be the **FIFTH** sentence after the rearrangement?  
(1) A (2) C  
(3) D (4) E  
(5) F
23. Which of the following should be the **SECOND** sentence after the rearrangement?  
(1) A (2) B  
(3) C (4) D  
(5) E
24. Which of the following should be the **FIRST** sentence after the rearrangement?  
(1) A (2) B  
(3) C (4) D  
(5) E
25. Which of the following should be the **SIXTH** (last) sentence after the rearrangement?  
(1) A (2) B  
(3) C (4) D  
(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.

There was once a poet who fell upon such hard times that he was no longer able to (26) his family. Hearing that the king greatly encouraged talent and was famed for his generosity, the poet set off for the Royal Palace. When brought before the king, he (27) low and requested permission to recite a poem. On hearing his recitation, the king was well pleased and asked him to name his reward.

The poet, (28) to a chess-board before the king, said, "your highness, if you place just one grain of rice on the first square of this chess-board, and double it for every square, I will consider myself well rewarded". Are you sure? asked the king, greatly (29). Just grains of rice, not gold? "Yes, your highness," affirmed the poet. "So it shall be" ordered the king. His courtiers started placing the grain on the chess board. One grain on the first square,

two on the second, four on the third, eighth on the fourth and so on. By the time they reached the tenth square they had to place five hundred and twelve grains of rice. The number rose to lakhs on the twentieth square. When they reached the halfway mark: the grain count was over hundred-crores ! Soon the count (30) to lakhs of crores and eventually the helpless king had to hand over his entire kingdom to the clever poet. And it all began with just one grain of rice.

26. (1) surrender (2) fight  
(3) care (4) feed  
(5) defend
27. (1) hunched (2) knelt  
(3) fell (4) stand  
(5) bowed
28. (1) talking (2) across  
(3) pointing (4) cying  
(5) looking
29. (1) surprised (2) vigilant  
(3) understanding  
(4) happy  
(5) honoured
30. (1) justified (2) enlarged  
(3) risen (4) improved  
(5) increased

### NUMERICAL ABILITY

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

31.  $8\frac{1}{4} + \frac{6}{5}$  of 60% of  $\frac{6}{5} = 15 - ?$   
(1) 5.55 (2) 6.27  
(3) 6.03 (4) 6.13  
(5) None of these
32.  $7275.84 - 889.4 + 124.518 = ?$   
(1) 6550.202 (2) 6560.598  
(3) 6550.958 (4) 6510.958  
(5) None of these
33.  $\frac{12^2 - 4^2}{9^2 - 3^2} = ?$   
(1)  $1\frac{7}{9}$  (2)  $1\frac{8}{9}$   
(3)  $1\frac{1}{9}$  (4) 9  
(5) None of these
34.  $18800 + 470 + 20 = ?$   
(1) 800 (2) 2  
(3) 23.5 (4) 0.10  
(5) None of these

35.  $\sqrt{7} + 136 = \frac{5}{8}$  of 320

- (1) 1936 (2) 4824  
(3) 4196 (4) 4096  
(5) None of these
36. The respective ratio of monthly earnings of P and Q is 4 : 7. the monthly earning of P increases by 20% and the monthly earning of Q decreases by 40%, the new ratio becomes 8 : 7 respectively. What is P's monthly earning?  
(1) Rs. 18,200  
(2) Rs. 15,800  
(3) Rs. 16,400  
(4) Rs. 18,600  
(5) Cannot be determined
37. If y is 5 times the x and the respective ratio between (y + 1) and (x + 14) is 3 : 1, what is the difference between x and y?  
(1) 112 (2) 103  
(3) 88 (4) 113  
(5) 123
38. The respective ratio between the present ages of Sita and Gita is 3 : 5. Five years ago the respective ratio between the ages of Sita and Gita at that time was 13 : 25. What is Gita's present age?  
(1) 32 years (2) 42 years  
(3) 30 years (4) 40 years  
(5) 36 years
39. The perimeter of a rectangle is 120 m. If the difference between the length and breadth of the rectangle is 4 m, what is the circumference of the large circle that can be drawn inside the rectangle? (in metre)  
(1) 154 (2) 90  
(3) 110 (4) 132  
(5) 88
40. The average salary of A, B and C is Rs. 7,200. The average salary of B, C and D is Rs. 7,550. If D's salary is 25% more than A's salary, what is the average of B's and C's salaries?  
(1) Rs. 8,950 (2) Rs. 8,450  
(3) Rs. 8,300 (4) Rs. 8,900  
(5) Rs. 8,700

**Directions (41-45) :** Read the following information carefully and answer these questions. These statistical data were collected in the year 2005.



Hamirpur in Gujarat is a small township with a population of 75000. 40% of the population belongs to the above 35 age category. The ratio of males to females is 1 : 1.5. Past records indicate that the population in Hamirpur grows at an annual rate of 7%. The total cultivable area in Hamirpur is 2 lakh acres. Paddy is the major crop of Hamirpur and has shown average productivity levels of 2.5 tonnes per acre. Hamirpur receives about 10 inches of rainfall in a normal monsoon year.

41. The number of people in Hamirpur below the age of 35 is  
(1) 41000 (2) 42000  
(3) 45000 (4) 43000  
(5) 44000

42. The number of males in Hamirpur is greater/lesser than the number of females by  
(1) Lesser by 15000  
(2) Greater by 15000  
(3) Greater by 10000  
(4) Lesser by 10000  
(5) None of these

43. If the ratio of males to females in 2006 remains the same as that in 2005, then the number of males in 2006 would be  
(1) 30600 (2) 32100  
(3) 31500 (4) 32700  
(5) 33000

44. What would be the population of Hamirpur in 2007?  
(1) 85000 (2) 84750  
(3) 83900 (4) 85870  
(5) 86850

45. If in 2006, only 60% of the average productivity were attained, then the total paddy production of Hamirpur would be  
(1) 2.6 lakh tonnes  
(2) 3.0 lakh tonnes  
(3) 2.8 lakh tonnes  
(4) 3.3 lakh tonnes  
(5) 3.6 lakh tonnes

**Directions (46-50) :** In the following number series, a wrong number is given. Find out that wrong number.

46. 2 11 38 197 1172 8227  
65808  
(1) 11 (2) 38  
(3) 197 (4) 1172  
(5) 8227

47.  $16 \times 19 \times 21 \times 30 \times 46 \times 71$   
107

- (1) 19 (2) 21  
(3) 30 (4) 46  
(5) 71

48.  $7 \times 9 \times 16 \times 25 \times 41 \times 68 \times 107$   
173

- (1) 107 (2) 16  
(3) 41 (4) 68  
(5) 25

49.  $4 \times 2 \times 3.5 \times 7.5 \times 26.25$   
118.125

- (1) 118.125 (2) 26.25  
(3) 3.5 (4) 2  
(5) 7.5

50.  $16 \times 4 \times 2 \times 1.5 \times 1.75$   
1.875

- (1) 1.875 (2) 1.75  
(3) 1.5 (4) 2  
(5) 4

**Directions (51 - 55) :** Find out the approximate value which should replace the question mark (?) in the following questions. (You are not expected to find out the exact value)

51.  $1\frac{2}{3}$  of  $1440 + 40\%$  of  $3558 - ?$   
 $= 61^2$   
(1) 99 (2) 129  
(3) 81 (4) 121  
(5) 102

52.  $? \div \left( 25\% \text{ of } 289 - 32\frac{3}{4} \right) = 0.2$   
(1) 6.5 (2) 7.9  
(3) 6.7 (4) 3.8  
(5) 8.5

53.  $84 \div 14^2 = ? \times 105 \div 8.25$   
(1) 23 (2) 21  
(3) 22 (4) 24  
(5) 26

54.  $(12.5 \times 14) \div 20 + 41.25 = ? + 2.5$   
(1) 6 (2) 5  
(3) 3 (4) 4  
(5) 7

55.  $(10^{11} \times 3.465 + 10^{12} \times 0.253) \div (120 \times 10^5) = 10^? + 19$   
(1) 6 (2) 8  
(3) 3 (4) 5  
(5) 2

56. What approximate value should come in place of (?) in the following equation?

$9876 \div 24.96 + 215.005 - ?$   
 $= 309.99$

- (1) 395 (2) 295  
(3) 300 (4) 315  
(5) 310

57. Average weight of three boys P,

T and R is  $54\frac{1}{3}$  kgs while the average weight of three boys, T, F and G is 53 kgs. What is the average weight of P, T, R, F and H?

- (1) 53.8 kgs (2) 52.4 kgs  
(3) 53.2 kgs  
(4) Can't be determined  
(5) None of these

58. Sudhanshu invested Rs. 15,000 at interest @ 10 p.c.p.a. for one year. If the interest is compounded every six months what amount will Sudhanshu get at the end of the year?

- (1) Rs. 16,537.50  
(2) Rs. 16,500  
(3) Rs. 16,525.50  
(4) Rs. 18,150  
(5) None of these

59. Ratio of the earnings of A and B is 4 : 7 respectively. If the earnings of A increase by 50% and the earnings of B decrease by 25% the new ratio of their earnings becomes 8 : 7 respectively. What are A's earnings?

- (1) Rs. 26,000  
(2) Rs. 28,000  
(3) Rs. 21,000  
(4) Data inadequate  
(5) None of these

60. The wheat sold by a grocer contained 10% low quality wheat. What quantity of good quality wheat should be added to 150 kgs of wheat so that the percentage of low quality wheat becomes 5%?

- (1) 150 kgs (2) 135 kgs  
(3) 50 kgs (4) 85 kgs  
(5) None of these

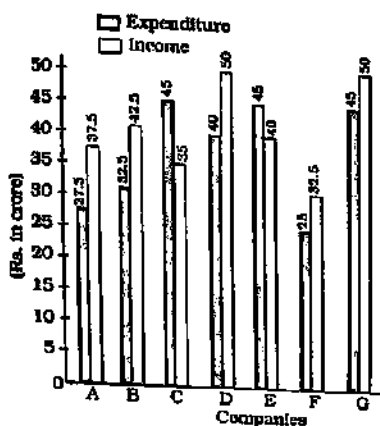
**Directions (61-65) :** Study the following graph carefully and answer the questions given below it :

**Account of income and expenditure (in crores) of seven companies in the year 2007**

# MODEL PRACTICE SET-05

Percentage profit/loss

$$\frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$



61. Approximately what is the percentage of profit/loss that Companies C and D had together?  
 (1) 10% profit (2) 12% profit  
 (3) 10% loss (4) 12% loss  
 (5) There was no loss or profit
62. If the Income of Company A had increased by 10% in year 2007 from year 2006 and profit earned in 2006 was 20% what was its expenditure in 2006? (The value upto two decimal places in crores)  
 (1) 36.36 (2) 32.32  
 (3) 30.30 (4) Can't be determined  
 (5) None of these
63. If the expenditure of Company G in 2007 was 20% more than its expenditure in the year 2006 and the Company has earned a profit of 10% in 2006. What was the company income in 2006 in crores Rs.?  
 (1) 37.5 (2) 41.25  
 (3) 34.09 (4) Cannot be determined  
 (5) None of these
64. Which of the following Companies had the highest percentage of profit/loss in 2007?  
 (1) B (2) C  
 (3) F (4) A  
 (5) None of these
65. What is the approximate percentage of profit earned by all the Companies together in 2007?  
 (1) 11 (2) 11.5  
 (3) 10.5 (4) 12  
 (5) 12.5

## REASONING ABILITY

66. If 'Blue' is called 'Green', 'Green' is called 'White', 'White' is called 'Red' and 'Red' is called 'Yellow', then what will be the colour of milk?  
 (1) White (2) Green  
 (3) Yellow (4) Red  
 (5) None of these
67. M is towards South of B. B is towards West of N. N is towards which direction from M?  
 (1) North (2) East  
 (3) North-East (4) Cannot be determined  
 (5) None of these
68. In a certain code AUDIT is written as 2\*67\$ and PUB is written as 8\*5. How is BUT written in that code?  
 (1) 56\$ (2) 5\*3  
 (3) 57\$ (4) 6\*8  
 (5) None of these
69. How many such pairs of letters are there in the word MERIT each of which has as many letters between them in the word as in the English alphabet?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) Four
70. 'Wall' is related to 'Brick' in the same way as 'Book' is related to?  
 (1) Page (2) Binding  
 (3) Novel (4) Story  
 (5) Author

Directions (71-75): The following questions are based on the five three-digit numbers:

714 635 386 423 258

71. If all the numbers are arranged in descending order from left to right, which of the following will be the sum of all the three digits of the number which is second from the right?  
 (1) 17 (2) 9  
 (3) 15 (4) 12  
 (5) 14
72. The positions of the first and the third digits of each of the numbers are interchanged.

## MODEL PRACTICE SET-05

What will be the resultant if first digit of highest number thus formed is divided by the second digit of the lowest number thus formed?

- (1) 2.5 (2) 1  
 (3) 1.5 (4) 2  
 (5) 4

73. If '3' is added to the third digit of every odd number and if '3' is subtracted from the third digit of every even number, how many numbers thus formed will be completely divisible by two?

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

74. What will be the resultant if first digit of the highest number is multiplied with the second digit of the lowest number?

- (1) 20 (2) 35  
 (3) 14 (4) 40  
 (5) 2

75. If in each number all the digits are arranged in ascending order within the number, what will be the difference between the lowest and the second lowest numbers thus formed?

- (1) 111 (2) 221  
 (3) 87 (4) 12  
 (5) 24

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

In a certain code language,

'cold days in winter' is written as 'rs te kp nh'

'winter season is pleasant' is written as 'lg kp bz fo'

'shiver in cold season' is written as 'nh lg te ad'

'winter days are pleasant' is written as 'bz rs om kp'

(Note: All the codes are two letter codes only)

76. What will be the possible code for 'long winter days' in the given code language?  
 (1) fo kp cx (2) kp om te  
 (3) rs cx kp (4) kp rs om  
 (5) fo kp bz

77. What is the code for 'shiver' in the given code language?

## MODEL PRACTICE SET-05

- (1) Other than options

- (2) ad

- (4) nh

78. If 'winter is cold' as 'fo kp kp' in language, the 'are chilled' be

- (1) lg fo kp

- (2) Other than options

- (3) rs kp te

- (5) rs te om

79. What does the for in the given

- (1) either 'is' or

- (2) 'days'

- (3) 'season'

- (5) 'cold'

80. What is the code season' in the guage?

- (1) lg bz

- (3) te fo

- (5) rs te

81. How many numbers will be left out if numbers each of which are divisible by 4 are one of the digits

- (1) 27

- (3) 31

- (5) None of these

82. Four of the following are alike in a certain form a group. Which one does not belong to that group?

- (1) Violet

- (3) Green

- (5) Yellow

83. T says, 'M is sitting to the right of N'. R says, 'N is sitting to the right of T'. If both are true, who is sitting to the right of N?

- (1) T

- (3) T or R

- (4) Data inadequate

- (5) None of these

84. If the consonants in the word 'PROVE' are first put in between two consonants in the alphabetically and then

(1) Other than those given as options

- (2) ad (3) lg  
(4) nh (5) te

78. If 'winter is chilled' is written as 'fo qk kp' in the given code language, then how will 'days are chilled' be coded as?

- (1) lg fo qk  
(2) Other than those given as options

- (3) rs qk te (4) qk rs om  
(5) rs te om

79. What does the code 'nh' stand for in the given code language?

- (1) either 'is' or 'days'  
(2) 'days'  
(3) 'season' (4) 'winter'  
(5) 'cold'

80. What is the code for 'pleasant season' in the given code language?

- (1) lg bz (2) kp lg  
(3) te fo (4) fo bz  
(5) rs te

81. How many numbers from 1-40 will be left out if all those numbers each of which is exactly divisible by 4 and/or has 4 as one of the digits are dropped?

- (1) 27 (2) 30  
(3) 31 (4) 28  
(5) None of these

82. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- (1) Violet (2) Blue  
(3) Green (4) Grey  
(5) Yellow

83. T says, 'M is sitting opposite to me'; R says, 'N is sitting towards right of T'. If both of them are right and they are sitting at the four sides of a rectangular table, who is sitting towards right of N?

- (1) T (2) R  
(3) T or R  
(4) Data inadequate  
(5) None of these

84. If the consonants in the word DROVE are first arranged alphabetically and the vowels are put in between two pairs of consonants in the alphabetical order,

which of the following will be the fourth from the right end after the rearrangement?

- (1) D (2) E  
(3) R (4) O  
(5) None of these

85. In a row of twenty five children facing North, Prakash, when shifted by four places towards his right, becomes tenth from the right end. What was his original position from the left end?

- (1) 10th (2) 8th  
(3) 11th (4) 9th  
(5) None of these

**Directions (86-88) :** Answer the given questions based on the following information.

(i) 'P × Q' means 'P is divided by Q'.

(ii) 'P - Q' means 'Q is added to P'.

(iii) 'P + Q' means 'Q is subtracted from P'.

(iv) 'P ÷ Q' means 'P is multiplied by Q'.

86. What will be the value of  $18 - 6 \div 8 \times 4$ ?

- (1) 22 (2) 6  
(3) 8 (4) 4  
(5) None of these

87. What will be the value of  $20 \div 10 + 8$ ?

- (1) 18 (2) -6  
(3) 2 (4) 10  
(5) None of these

88. If  $16 + 4 \times M = 8$ , then what will be the value of M?

- (1) 4 (2) 8  
(3) 6 (4) 12  
(5) None of these

**Directions (89-93) :** Study the following information carefully and answer the questions given below :

In one floor of a building, there are eight flats - A, B, C, D, E, F, G and H in two rows. One row of flats faces North and the other row faces South. D is exactly opposite of F which faces North. Neither A nor C faces South. A is not at any of the ends and is second to the left of F. E is exactly opposite of B which faces South. G is third to the right of D.

89. Which of the following pairs of flats facing South are at the two ends?

- (1) GD (2) GH

(3) BH

(4) Cannot be determined

(5) None of these

90. Which flat is exactly opposite of flat H?

- (1) E (2) A  
(3) C  
(4) Data inadequate  
(5) None of these

91. Which of the following group of flats faces South?

- (1) BGCF (2) BGHA  
(3) EACF (4) GHDC  
(5) None of these

92. Which of the following pairs of flats facing North are at the two ends?

- (1) EA (2) EC  
(3) CF  
(4) Cannot be determined  
(5) None of these

93. Which flat is exactly opposite of flat C?

- (1) H (2) D  
(3) B (4) G  
(5) Cannot be determined

**Directions (94-100) :** Study the following arrangement carefully and answer the questions given below :

P I \$ M T % R E D \* N U # K B  
© F A W @ H V J

94. Which of the following is exactly in the middle between F and R?

- (1) # (2) N  
(3) K (4) U  
(5) None of these

95. Which of the following is the seventh to the right of E in the above arrangement?

- (1) K (2) P  
(3) B (4) #  
(5) None of these

96. Which of the following is the fifth to the right of the ninth from the left end?

- (1) % (2) K  
(3) B (4) R  
(5) None of these

97. How many such vowels are there in the above arrangement, each of which is immediately followed by a symbol?

- (1) One (2) Two  
(3) Three (4) Four  
(5) Five



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

- (1) ER (2) #K  
(3) @B (4) FA  
(5) WH

99. Which of the following is the fourth to the right of the tenth from the right end?

- (1) \* (2) F  
(3) N (4) A  
(5) None of these

100. How many such symbols are there in the above arrangement, each of which is immediately preceded by a consonant?

- (1) One (2) Two  
(3) Three (4) Four  
(5) Five

### ANSWERS

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

### EXPLANATIONS

- (2) He would only eat in a house where no one had lied.
- (5) Only (A) and (C)
- (3) He had truly lived only after he devoted himself to spiritual life.
- (5) He felt that the rich man lied to him.
- (1) His middle son was the only child who obeyed him.
- (1) The rich man claimed to have never told a lie.
- (3) The meaning of the word **Tend (Verb)** as used in the passage is : to care for something/somebody; to serve; watch.

**Look at the sentence :**

Ambulance crews were tending to the injured.

Hence, the synonym of the word **tending** is **watching**.

- (1) The meaning of the word **Clarify (Verb)** as used in the passage is : to make something clearer or easier to understand; confirm.

**Look at the sentence :**

He asked her to clarify what she meant.

- (4) The meaning of the word **Tired (Adjective)** as used in the passage is : weary; feeling that you would like to sleep or rest; needing rest.

The word **Energised (Adjective)** means : enthusiastic; energetic.

- (5) The antonym of the word **special** should be **ordinary**.

- (3) It is preposition related error. Hence, RBI has granted licenses to..... should be used here.

- (4) Here, an income tax rebate under the Act.....should be used. Look, no Act has been discussed earlier, hence it is improper to use 'this'.

- (4) **Could** is followed by infinitive without to used. Hence, sooner as/so that she could surprise.....should be used.

- (2) Here, a certain/fixed number of cities(plural) as..... should be used.

- (4) Here, passive voice i.e. industrial units will closed.....should be used.

- (1) The correct spelling is principal.

- (3) The correct spelling is : cense.

- (4) The correct spelling is : couragement.

- (3) The correct spelling is : olutionised.

- (4) The correct spelling is : canyons.

- (4) feed (27. (5) bowed

- (3) pointing

- (1) surprised

- (5) increased

$$31. (3) ? = 15 - \frac{33}{4} - 60\% \text{ of } \frac{6}{5}$$

$$= \left( \frac{60-33}{4} \right) - \frac{6}{5} \times \frac{60}{100}$$

$$= \frac{27}{4} - \frac{18}{25} = \frac{675-72}{100} = \frac{603}{100} = 6.03$$

$$32. (4) ? = 7275.84 + 124.518$$

$$889.4$$

$$= 7400.358 - 889.4 = 6510.96$$

$$33. (1) ? = \frac{(12+4)(12-4)}{(9+3)(9-3)} = \frac{16 \times 8}{12 \times 6}$$

$$= \frac{16}{9} = 1\frac{7}{9}$$

$$34. (2) ? = \frac{18900}{470} + 20$$

$$= 40 + 20 = 2$$

$$35. (4) \sqrt{7} + 136 = 320 \times \frac{5}{8}$$

$$\Rightarrow \sqrt{7} + 136 = 200$$

$$\Rightarrow \sqrt{7} = 200 - 136 = 64$$

$$\Rightarrow ? = 64 \times 64 = 4096$$

$$36. (5) P's \text{ monthly salary} = \text{Rs. } 4x$$

$$Q's \text{ monthly salary} = \text{Rs. } 7x$$

After respective increase/decrease,

$$\frac{4x \times 120}{100} = \frac{4 \times 120}{7 \times 60} = \frac{8}{7}$$

No result is obtained.

$$37. (3) \text{ According to the question}$$

$$y = 5x$$

$$\therefore \frac{y+1}{x+14} = \frac{3}{1}$$

$$\Rightarrow \frac{5x+1}{x+14} = \frac{3}{1}$$

$$\Rightarrow 5x+1 = 3x+42$$

$$\Rightarrow 2x = 42 - 1 = 41$$

$$\Rightarrow x = \frac{41}{2}$$

$$\therefore \text{Required difference} = 5x - x = 4x$$

$$= \frac{4 \times 41}{2} = 82$$

38. (3) Sita's present age =  $3x$  years

Gita's present age =  $5x$  years  
5 years ago,

$$\frac{3x-5}{5x-5} = \frac{13}{25}$$

$$\Rightarrow 75x - 125 = 65x - 65$$

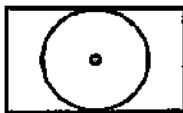
$$\Rightarrow 75x - 65x = 125 - 65$$

$$\Rightarrow 10x = 60 \Rightarrow x = 6$$

$\therefore$  Gita's present age

$$= 5x = 5 \times 6 = 30 \text{ years}$$

39. (5)



Breadth of rectangle

=  $x$  metre

$\therefore$  Length =  $(x+4)$  metre

$\therefore$  Perimeter of rectangle

$$= 2(x+4+x) \text{ metre}$$

$$= (4x+8) \text{ metre}$$

$$\therefore 4x+8 = 120$$

$$\Rightarrow 4x = 120 - 8 = 112$$

$$\Rightarrow x = \frac{112}{4} = 28 \text{ metre}$$

$\therefore$  Diameter of largest circle

= 28 metre

$\therefore$  Circumference of circle

$$= \pi \times \text{diameter}$$

$$= \frac{22}{7} \times 28 = 88 \text{ metre}$$

40. (5)  $A+B+C \Rightarrow 7200 \times 3$   
= Rs. 21600 --- (i)

$B+C+D \Rightarrow 7550 \times 3$   
= Rs. 22650 --- (ii)

$\therefore$  By equation (ii) - (i),

$$D - A = \text{Rs. } (22650 - 21600)$$

$$= \text{Rs. } 1050$$

$$\Rightarrow \frac{125A}{100} - A = 1050$$

$$\Rightarrow \frac{25A}{100} = 1050 \Rightarrow \frac{A}{4} = 1050$$

$$\Rightarrow A = 1050 \times 4 = \text{Rs. } 4200$$

$$\therefore B+C \Rightarrow 21600 - 4200$$

$$= \text{Rs. } 17400$$

$\therefore$  Required average

$$= \frac{17400}{2} = \text{Rs. } 8700$$

41. (3) Population of Hamirpur

$$= 75000$$

$\therefore$  Population below the age of 35

$$= \frac{60}{100} \times 75000 = 45000$$

42. (1) Males : Females = 1 : 1.5

$$\therefore 1x + 1.5x = 75000$$

$$\Rightarrow 2.5x = 75000$$

$$\therefore x = \frac{75000}{2.5} = 30000$$

$\therefore$  Number of males = 30000

$$\text{Number of females} = 1.5 \times 30000 = 45000$$

$\therefore$  Number of males is lesser than that of females by 15000.

43. (2) Population of Hamirpur in 2006

$$= 1.07 \times 75000 = 80250$$

$$\therefore 2.5x = 80250$$

Males : Females = 1 : 1.5

$$\therefore x = \frac{80250}{2.5} = 32100$$

$\therefore$  Number of males in 2006

$$= 32100$$

44. (4) From question 43,

Population in 2006 = 80250

$\therefore$  At an annual growth rate of

7%, population in 2007

$$= 1.07 \times 80250 = 85868$$

45. (2)

$$\text{Productivity} = \frac{\text{Paddy production in tonnes}}{\text{Total cultivable area}}$$

Average productivity of Hamirpur

$$= 2.5 \text{ tonnes per acre}$$

$\therefore$  60% of average productivity

$$= 0.6 \times 2.5 = 1.5 \text{ tonnes/acre}$$

$\therefore$  Total paddy production

$$= 1.5 \text{ tonnes/acre} \times 2 \text{ lakh acres}$$

$$= 3.0 \text{ lakh tonnes}$$

46. (4) The series is based on the following pattern :

$$2 \times 3 + 5 = 11$$

$$11 \times 4 - 6 = 38$$

$$38 \times 5 + 7 = 197$$

$$197 \times 6 - 8 = 1172 \text{ but } 1174$$

Clearly, 1172 is the wrong number and it should be replaced by 1174.

47. (1) The series is based on the following pattern :

$$107 - 71 = 36 = 6^2$$

$$71 - 46 = 25 = 5^2$$

$$46 - 30 = 16 = 4^2$$

$$30 - 21 = 9 = 3^2$$

$$21 - 19 = 2 = 2^2$$

$$\text{but, } 21 - 17 = 4 = 2^2$$

Clearly, 19 should be replaced by 17.

48. (4) The series is based on the following pattern :

$$7 + 9 = 16$$

$$9 + 16 = 25$$

$$16 + 25 = 41$$

$$25 + 41 = 66 \text{ but } 68$$

Clearly, 68 should be replaced by 66.

49. (3) The series is based on the following pattern :

$$\begin{array}{ccccccc} & & 3 & & & & \\ 4 & 2 & 3.5 & 7.5 & 26.25 & 118.125 \\ \times 0.5 & \times 1.5 & \times 2.5 & \times 3.5 & \times 4.5 \end{array}$$

Clearly, 3.5 should be replaced by 3.

50. (2) The series is based on the following pattern :

$$\begin{array}{ccccccc} & & & 1.5 & & & \\ 16 & 4 & 2 & 1.5 & 1.75 & 1.875 \\ \times 0.25 & \times 0.50 & \times 0.75 & \times 1 & \times 1.25 \end{array}$$

Clearly, 1.75 should be replaced by 1.5.

51. (5)  $1440 \text{ of } 1\frac{2}{3} + \frac{40 \times 3558}{100} -$

$$? = 61^2$$

$$\Rightarrow \frac{5}{3} \times 1440 + \frac{40 \times 3558}{100} - ?$$

$$= 61^2$$

$$\Rightarrow 2400 + 1423 - ? = 3721$$

$$\Rightarrow ? = 2400 + 1423 - 3721$$

$$= 102$$

52. (2)  $? + \left( \frac{25 \times 289}{100} - \frac{131}{4} \right) = 0.2$

$$\Rightarrow ? + (72 - 33) = 0.2$$

$$\Rightarrow ? + 39 = 0.2$$

$$\Rightarrow ? = 39 \times 0.2 = 7.8$$

$\therefore$  Required answer = 7.9



# MODEL PRACTICE SET-05

53. (2)  $84 + 14^2 = ? \times 105 \div 8$

$$\Rightarrow 84 + 196 = \frac{? \times 105}{8}$$

$$\Rightarrow 280 \times 8 = ? \times 105$$

$$\Rightarrow ? = \frac{280 \times 8}{105} = 21$$

54. (2)  $(12.5 \times 14) \div 20 + 41.25$   
 $= ?^3 \div 2.5$

$$\Rightarrow 175 \div 20 + 41.25 = ?^3 \div 2.5$$

$$\Rightarrow 8.75 + 41.25 = ?^3 \div 2.5$$

$$\Rightarrow 50 = \frac{?^3}{2.5}$$

$$\Rightarrow ?^3 = 50 \times 2.5 = 125$$

$$\Rightarrow ? = \sqrt[3]{125} = 5$$

55. (1)  $(10^{11} \times 3.465 + 10^{12} \times 0.253)$   
 $\div (120 \times 10^5) = 10^7 \div 19$

$$\Rightarrow 10^{11} (3.465 + 2.53) \div (120 \times 10^5) = 10^7 \div 19$$

$$\Rightarrow 10^{11} \times 6 \div (120 \times 10^5) = 10^7 \div 19$$

$$\Rightarrow \frac{10^{11} \times 6}{120 \times 10^5} = \frac{10^7}{19}$$

$$\Rightarrow \frac{10^{11-5}}{20} = \frac{10^7}{19}$$

$$\Rightarrow 10^7 = 10^6$$

$$\Rightarrow ? = 6$$

56. (3)  $9876 \div 24.96 + 215.006 - ?$   
 $= 309.99$

$$\Rightarrow ? = 9876 \div 24.96 + 215.006 - 309.99$$

Approximating the terms to the nearest values, we have

$$? = 9900 \div 25 + 215 - 310$$

$$= \frac{9900}{25} + 215 - 310$$

$$= 396 + 215 - 310$$

$$= 396 + 215 - 310 = 310 = 300$$

57. (4) Can't be determined

58. (1) Interest is compounded half yearly.

Hence rate of interest

$$= \frac{10}{2} = 5\%$$

$$\text{No. of periods} = 2$$

$$\therefore \text{Amount} = 15000 \left(1 + \frac{5}{100}\right)^2$$

$$= 15000 \times \frac{21}{20} \times \frac{21}{20} = \text{Rs. } 16537.50$$

59. (4) Let the earnings A and B be Rs.  $4x$  and  $7x$  respectively. After 50% increase, A's earnings = 150% of  $4x$ .

After 25% decrease, B's earning = 75% of  $7x$

Ratio = 150% of  $4x$  : 75% of  $7x = 8 : 7$

But their total earnings are unknown. Hence A's earnings can't be known.

60. (1) Good quality content in 150 kgs of wheat = 90% of 150 = 135 kg.

In new mixture, low quality of wheat is 5%, so good quality of wheat is 95%.

$$\therefore 5\% \text{ of the new mixture}$$

$$= 15 \text{ kg}$$

$$\therefore \text{New mixture}$$

$$= \frac{15 \times 100}{5} = 300 \text{ kg}$$

$$\therefore \text{Good quality of wheat added} = (300 - 150) \text{ kg} = 150 \text{ kg}.$$

61. (5) Total expenditure of Companies C and D

$$= 45 + 40 = \text{Rs. } 85 \text{ crores}$$

$$\text{Total incomes of Companies C and D} = (35 + 50) \text{ crores}$$

$$= \text{Rs. } 85 \text{ crores}$$

Clearly, there is no profit or loss.

62. (5) Income of Company A in 2006

$$= \text{Rs. } \frac{100}{110} \times 37.5 \text{ crores}$$

$$= \text{Rs. } 34.09 \text{ crores}$$

Let expenditure in 2006 be Rs.  $x$  crores

$$\therefore 20 = \frac{34.09 - x}{x} \times 100$$

$$\Rightarrow 0.2x = 34.09 - x$$

$$\Rightarrow x = \frac{34.09}{12} = 28.4 \text{ crores}$$

63. (2) Expenditure of Company G

$$\text{in } 2006 = \frac{100}{120} \times 45$$

$$= \text{Rs. } 37.5 \text{ crores}$$

Let its income in 2006 be  $I$  crores

$$\therefore 10 = \frac{I - 37.5}{37.5} \times 100$$

$$\Rightarrow 3.75 = I - 37.5$$

$$\Rightarrow I = 37.5 + 3.75$$

$$= \text{Rs. } 41.25 \text{ crores}$$

# MODEL PRACTICE SET-06

64. (4) For Company B  
 Profit %

$$= \frac{42.5 - 32.5}{32.5} \times 100$$

$$= \frac{1000}{32.5} = 30.77\%$$

For Company C

$$\text{Loss \%} = \frac{35 - 45}{45} \times 100$$

$$= 22.2\%$$

For Company F

$$\text{Profit \%} = \frac{32.5 - 25}{25} \times 100 = 30\%$$

For Company A

Profit %

$$= \frac{37.5 - 27.5}{27.5} \times 100 = 36.36\%$$

65. (3) Total expenditure  
 $= 27.5 + 32.5 + 45 + 40 + 45$   
 $25 + 45 = \text{Rs. } 260 \text{ crores}$

Total income

$$= 37.5 + 42.5 + 35 + 50 + 40$$

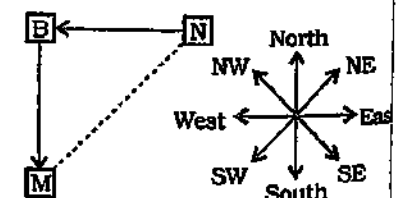
$$32.5 + 50 = \text{Rs. } 287.5 \text{ crores}$$

$\therefore$  Required Profit %

$$= \frac{287.5 - 260}{260} \times 100 = 10.57$$

66. (4) The colour of milk is white  
 But here white has been called red.

67. (3)



It is clear from the diagram that N is towards North-East from M.

68. (2) A U D I T P U B  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
 2 \* 6 7 8 8 \* 5

Therefore, B U T  
 $\downarrow \downarrow \downarrow$   
 5 \* 8

69. (2) 13 5 18 9 20  
 M E R I T

70. (1) Wall is constructed with bricks. Similarly, a book consists of pages.

71. (1) Descending order of numbers:

714 > 635 > 423 > 386 > 258

Second number from the right  
⇒ 386

Sum of digits of 386

⇒ 3 + 8 + 6 = 17

72. (5) 714 ⇒ 417

635 ⇒ 536

386 ⇒ 683

423 ⇒ 324

258 ⇒ 852

Highest number ⇒ 852

Its first digit ⇒ 8

Lowest number ⇒ 324

Its second digit ⇒ 2

Required result =  $\frac{8}{2} = 4$

73. (4) 714 ⇒ 711

635 ⇒ 638

386 ⇒ 383

423 ⇒ 428

258 ⇒ 255

638 and 428 are completely  
divisible by two.

74. (2) Highest number ⇒ 714

Its first digit ⇒ 7

Lowest number ⇒ 258

Its second digit ⇒ 5

Required result ⇒  $7 \times 5$   
= 35

75. (3) 714 ⇒ 147

635 ⇒ 356

386 ⇒ 368

423 ⇒ 234

258 ⇒ 258

Lowest number ⇒ 147

Second lowest number ⇒ 234

Required difference  
= 234 - 147 = 87

86. (1)  $18 - 6 + 8 \times 4$

⇒  $18 + 6 - 8 + 4$

⇒  $18 + 6 - 2 = 22$

87. (5)  $20 + 10 + 8$

⇒  $20 - 10 \times 8$

⇒  $20 - 80 = -60$

88. (2)  $16 + 4 \times M = 8$

⇒  $16 \times 4 + M = 8$

⇒  $8M = 64$

∴  $M = \frac{64}{8} = 8$

(89 - 93) :

**G H B D** South Facing  
Flats

**C A E F** North Facing  
Flats

89. (1) Flats D and G are at the two  
ends.

90. (2) Flat A is exactly opposite of  
flat H.

91. (5) Flat G, H, B and D face  
South.

92. (3) Flat C and F are at the two  
ends.

93. (4) Flat G is exactly opposite of  
flat C.

94. (4) R E D ★ N **U** # K B © F

95. (3) 7th to the right of E ⇒ B

96. (2) Fifth of the right of the ninth  
from the left end means 14th  
from the left, i.e., K.

97. (2) **Vowel Symbol**

Such combinations are :

**I \$ : U # ;**

98. (5)

E  $\xrightarrow{-1}$  R; #  $\xrightarrow{+1}$  K; ©  $\xrightarrow{-1}$  B

F  $\xrightarrow{+1}$  A; W  $\xrightarrow{+2}$  H

99. (4) Fourth to the right of the  
tenth from the right end means  
sixth from the right end, i.e.,  
A.

100. (4) **Consonant Symbol**

Such combinations are :

**T % : D ★ : B © : W ©**

(76-80) :

**(cold) (days) (in) (winter) → (rs) (te) (kp) (nh)**

**(winter) (season) is (pleasant) → (lg) (kp) (bz) fo**

**shiver (in) (cold) (season) → (nh) (lg) (te) ad**

**(winter) (days) are (pleasant) → (bz) (rs) om (kp)**

76. (3) winter ⇒ kp

days ⇒ rs

The code for 'long' may be 'cx'.

77. (2) shiver ⇒ ad

78. (4) winter ⇒ kp

is ⇒ fo

chilled ⇒ qk

Therefore,

days ⇒ rs

are ⇒ om

chilled ⇒ qk

79. (5) nh ⇒ cold

80. (1) pleasant ⇒ bz

season ⇒ lg

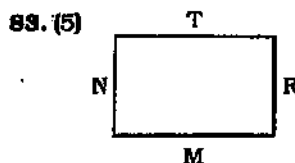
81. (4) The numbers which are to  
be dropped :

4, 8, 12, 14, 16, 20, 24, 28, 32,

34, 36, 40 = 12

40 - 12 = 28

82. (4) Except Grey, all others are  
parts of a white spectrum or a  
Rainbow.



M is sitting towards right of N.

84. (2) According to question,

D **E** R O V  
↑  
4th from right

85. (5) **P** ||| **P**  
14th 10th

Original Position of Prakash  
from the left = 25 - 14 + 1 = 12th