

Directions (Q.1-Q.10) : Read the question carefully and give the answer by putting a cross-mark (×) inside the circle of the letter denoting your selected answer on the Answer-Sheet.

- When the price of onion is decreased by 25% it becomes Rs. 48/K.g. What was the previous price ?
 (1) Rs. 80/K.g. (2) Rs. 56/K.g.
 (3) Rs. 64/K.g. (4) Rs. 96/K.g.
- A cistern can be filled up by two pumps in 20 minutes and 30 minutes respectively. They are made to run jointly, but for technical fault the 2nd pump was run alone lastly for 10 minutes. For what time they are run jointly ?
 (1) 4 minutes (2) 6 minutes
 (3) 8 minutes (4) 10 minutes
- In a class there are 38 students of age average 15 years. When two new students in the age ratio 1.4:1.6 admitted, the age average did not change. Then the age of the younger student be admitted is
 (1) 7 years (2) 8 years
 (3) 14 years (4) 16 years
- When the price of groceries increased by 25%, the amount of groceries sold decreased by 25%. The effect on the sales of a shop is
 (1) 5% increase (2) 10% decrease
 (3) 10% increase (4) 5% decrease
- The perimeter of a rectangle and a square is same, i.e. 80 meter. But length and breadth of the rectangle is in the ratio 3:5. The ratio of area of rectangle: square is
 (1) 8 : 7 (2) 3 : 5 (3) 5 : 3 (4) 7 : 8
- If $(a - b)$ is 6 more than $(c + d)$ and $(a + b)$ is 3 less than $(c - d)$, then $(a - c)$ is
 (1) 0.5 (2) 1 (3) 1.5 (4) 2.0
- Choose the two correct number in the '•' marked places of the multiplication below

$$\begin{array}{r} \bullet 7 \bullet 9 \\ \times 5 \\ \hline 33945 \end{array}$$
 (1) 8, 4 (2) 6, 8 (3) 4, 8 (4) 8, 6
- It is known that 20% of the mangoes are rotten. If the number of rotten mangoes is 35, then the total number of mangoes is
 (1) 150 (2) 180 (3) 175 (4) 185

- In a family the father took $\frac{1}{4}$ of the cake and he had 3 times as much as other had. The total number of family members is
 (1) 3 (2) 15 (3) 10 (4) 12

- If $(64)^2 - (36)^2 = 20z$, the value of z is
 (1) 70 (2) 180 (3) 140 (4) 120

Directions (Q.11-Q.20) : In each of questions 11 to 20 below, there is a number series with one term missing shown by '?'. The term is given as one of the alternatives among five numbers given below it. Find the term and indicate your answer by putting a cross-mark (×) inside the circle of the sheet.

- 3, 7, 13, 27, 53, ?
 (1) 105 (2) 106 (3) 107 (4) 108
- 19, 2, 38, 3, 114, 4, ?
 (1) 228 (2) 256 (3) 356 (4) 456
- 3, 8, 15, 24, 35, ?
 (1) 44 (2) 46 (3) 48 (4) 50
- 0, 2, 8, 14, 24, 34, ?
 (1) 48 (2) 42 (3) 40 (4) 38
- 3, 15, 4, 16, 5, 17, 6, ?, 7
 (1) 12 (2) 18 (3) 15 (4) 13
- 6, 18, 72, 360, 2160, ?
 (1) 12120 (2) 13120
 (3) 14120 (4) 15120
- 6, 11, 21, 36, 56, ?
 (1) 48 (2) 42 (3) 40 (4) 36
- 7, 14, 23, 34, 47, ?
 (1) 62 (2) 60 (3) 64 (4) 66
- 20, 27, 23, 37, 26, ?
 (1) 44 (2) 47 (3) 50 (4) 53
- 4, 5, 7, 10, 11, 13, 16, ?
 (1) 17 (2) 18 (3) 19 (4) 21

Directions (Q.21-Q.30) : In each of the question 21 to 30, there are four items, three of which are alike by some means or other while one is out of the class. Find out the odd item and indicate your answer by putting a cross-mark (×) inside the circle of the corresponding letter on the Answer-Sheet.

- (1) 27 (2) 64 (3) 81 (4) 125
- (1) Square (2) Circle
 (3) Parallelogram (4) Rectangle
- (1) Motor-cycle (2) Scooter
 (3) Bi-cycle (4) Van

24. (1) Rocket (2) Aeroplane
 (3) Helicopter (4) Van-rickshaw
25. (1) Lion (2) Hen (3) Crow (4) Frog
26. (1) Doctor (2) Teacher
 (3) Student (4) Head-master
27. (1) Earth (2) Moon
 (3) Mars (4) Venus
28. (1) Ear (2) Eye
 (3) Tongue (4) Blood
29. (1) Zoology (2) Physiology
 (3) Botany (4) Philosophy
30. (1) Oxygen (2) Nitrogen
 (3) Phosphorous (4) Antimony

Directions (Q.31-Q.40) : In each question below there are two words separated by ‘:’ in the upper row. Below that there are some words on each side of the symbol ‘:’. Find the relation between two upper words and select one word from the right side of ‘:’ below which have the same relation as above. Put a cross-mark (×) inside the circle of the letter denoting your selected answer on the Answer-Sheet.

31. Freud : Psychology
 Gandhiji : ?
 (1) Science (2) Mathematics
 (3) Philosophy (4) Geology
32. Tajmahal : Agra
 Brindaban Garden : ?
 (1) Hydrabad (2) Mysore
 (3) Pune (4) Jodhpur
33. Dog : Bark
 Child : ?
 (1) Shout (2) Mother
 (3) Sweet (4) Cry
34. Arithmetic : Algebra
 Geometry : ?
 (1) Light (2) Astronomy
 (3) Astrology (4) Sonometer
35. Coal : Thermal power
 Water : ?
 (1) Cloud (2) Rain
 (3) Steam-engine (4) Ice
36. Car : Garage
 Aeroplane : ?
 (1) Depot (2) Hanger
 (3) Station (4) Airport

37. Flower : Bud
 Plant : ?
 (1) Seed (2) Fruit
 (3) Flower (4) Root
38. Tongue : Taste
 Eye : ?
 (1) Hear (2) Vision
 (3) Smell (4) Touch
39. Helium : Argon
 Sodium : ?
 (1) Radium (2) Neon
 (3) Thorium (4) Calcium
40. Teacher : Student
 Minister : ?
 (1) Voter (2) Patient
 (3) Public (4) Police

Directions (Q.41-Q.50) : In question 41-50, numbers are placed in figures on the basis of some rules. One place in the figure is indicated by the interrogation sign (?). Find out the correct alternative to replace the question mark and indicate your answer by putting a cross-mark (×) inside the circle of the corresponding letter of alternatives in the Answer-Sheet.




41.




| | | | |
|---|----|----|----|
| 5 | 9 | 14 | 20 |
| 9 | 17 | 27 | 7 |

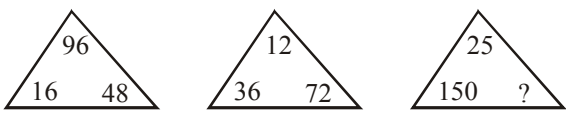
 (1) 35 (2) 37 (3) 39 (4) 41
42.


| | | | |
|----|----|----|----|
| 16 | 28 | 39 | 53 |
| 31 | 43 | 54 | ? |

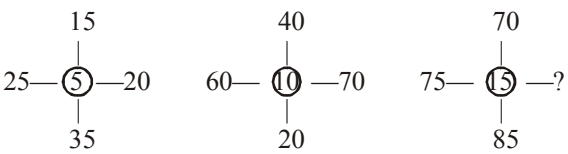
 (1) 68 (2) 75 (3) 77 (4) 79
43.

| | | | |
|---|---|---|---------|
|  |  |  | |
| (1) 14 | (2) 77 | (3) 81 | (4) 113 |
44.

| | | | |
|---|---|---|--------|
|  |  |  | |
| (1) 18 | (2) 19 | (3) 20 | (4) 21 |

45. 
- (1) 70 (2) 75 (3) 80 (4) 90

46. 
- (1) 32 (2) 36 (3) 80 (4) 8

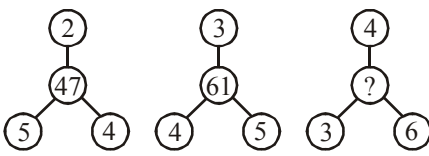
47. 
- (1) 35 (2) 45 (3) 55 (4) 65

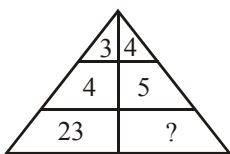
48.

| | | |
|---|---|----|
| 8 | 9 | 12 |
|---|---|----|

| | | |
|----|---|----|
| 16 | ? | 24 |
|----|---|----|

| | | |
|----|----|----|
| 24 | 27 | 36 |
|----|----|----|
- (1) 17 (2) 18 (3) 19 (4) 20

49. 
- (1) 70 (2) 77 (3) 84 (4) 91

50. 
- (1) 9 (2) 18 (3) 25 (4) 34