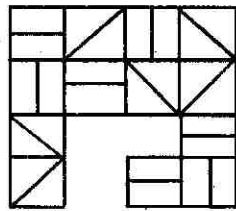


23. Which number will replace the "?" mark in the following series ?

(?), 19, 37, 61, 91, 127, 169.

- (1) 7 (2) 11
 (3) 13 (4) 17
24. Which figure from among the given options fits the best within the gap in the following figure ?



- (1) (2)
- (3) (4)

25. What is the smallest number of players who can be placed in the given formation ?

Formation : Two players in front of a player, two players behind a player and one player between two players.

- (1) 3 (2) 5
 (3) 7 (4) 9
26. Five of the batsmen of a team (A, B, C, D and E) scored at an average of 36 runs in a cricket match. While B and C together scored 107 runs, B's score was equal to the scores of D

and E combined. If D's score was 5 more than E and E's score is 8 less than A, then how much did C score ?

- (1) 20 (2) 28
 (3) 45 (4) 62
27. A child wrote 1 to 366 serially in his note book. What is the total number of digits he had written ?
- (1) 366 (2) 732
 (3) 990 (4) 1098
28. A 1 mm thick paper is folded into half of its size every time. What will be its approximate thickness after 50 such folding ?
- (1) 100 km (2) 10,000 km
 (3) 1 million km (4) 1 billion km
29. Which of the following numbers is divisible by 42 ?
- (1) 248769
 (2) 264852
 (3) 266748
 (4) 267848
30. On the Republic Day some chocolates were brought to distribute among 125 children in a school such that each one gets equal number of chocolates. However 25 children were absent on the occasion for which each child got 2 chocolates extra. How many chocolates were brought ?
- (1) 250 (2) 500
 (3) 750 (4) 1000

- SEAL
39. The length and breadth of a hall is 15 metres and 12 metres respectively. If the sum total of the areas of the floor and ceiling is same as the sum total of the areas of the four walls, what is the volume of the hall ?
- (1) 720 m^3
 - (2) 900 m^3
 - (3) 1200 m^3
 - (4) 1440 m^3
40. A fixed deposit of Rs. 50,000 in a bank earns an interest of Rs. 7,245 @ 7% compounded annually. What is the time period of the deposit ?
- (1) 2 years
 - (2) $2\frac{1}{2}$ years
 - (3) 3 years
 - (4) $3\frac{1}{2}$ years
41. The atomicity of which of the following elements is different from the other three ?
- (1) Chlorine
 - (2) Nitrogen
 - (3) Oxygen
 - (4) Ozone
42. Which among the following is a compound ?
- (1) Air
 - (2) Cement
 - (3) Salt
 - (4) Paint
43. The specific gravity of which among the following metals is the highest ?
- (1) Gold
 - (2) Lead
 - (3) Mercury
 - (4) Silver
44. Which of the following quantum numbers distinguishes the orbitals available within a subshell of an atom ?
- (1) Azimuthal quantum number
 - (2) Magnetic quantum number
 - (3) Principal quantum number
 - (4) Spin quantum number
45. In the Modern Periodic Table which of the following blocks of elements are strong reducing agents ?
- (1) d-block elements
 - (2) f-block elements
 - (3) p-block elements
 - (4) s-block elements
46. Which of the following compounds has dative bonding ?
- (1) Ammonia
 - (2) Lithium Fluoride
 - (3) Magnesium Sulfide
 - (4) Sodium Chloride