Top 20 Reasoning MCQs for Maharashtra, SSC and Railway 18 April 2024

Q1: Choose the word that is most similar to the given word: "Sunrise"
(a) Moonrise
(b) Sunset
(c) Nightfall
(d) Dawn
Answer: (d) Dawn
Solution: The closest synonym for "sunrise" is "dawn," which refers to the time of day when the sun rises.

Q2: Identify the word that is different from the others:
(a) Apple
(b) Mango
(c) Orange
(d) Potato
Answer: (d) Potato
Solution: Apple, mango, and orange are fruits, while potato is a vegetable.

Q3: A cube is given with each side numbered 1 through 6. If the cube is rotated such that the 1st face becomes the top face and the 6th face remains at the bottom, which face will be at the front?
(a) 2
(b) 3
(c) 4
(d) 5
Answer: (b) 3
Solution: Given the top and bottom faces, rotating the cube such that 1 and 6 are maintained, the only remaining possible front face is 3.

Q4: In a sequence of numbers, find the missing number: 3, 6, 9, __, 15
(a) 10
(b) 11
(c) 12
(d) 13
Answer: (c) 12
Solution: The pattern involves adding 3 each time: 3 + 3 = 6, 6 + 3 = 9, 9 + 3 = 12, 12 + 3 = 15.

Q5: If you are facing north and turn 90 degrees to your right, which direction will you be facing?
(a) South
(b) East
(c) West
(d) North
Answer: (b) East
Solution: Turning 90 degrees to the right from facing north will point you in the direction of east.

Q6: Which of the following shapes does not belong in the group?
(a) Circle
(b) Rectangle
(c) Square

(d) Triangle

Answer: (a) Circle

Solution: The other three shapes (rectangle, square, and triangle) have straight lines, while a circle is round.

Q7: Which shape can be created by folding a square piece of paper diagonally and then folding it in half again?

(a) Square

(b) Rectangle

(c) Triangle

(d) Hexagon

Answer: (c) Triangle

Solution: Folding a square piece of paper diagonally twice results in a triangle shape.

Q8: John needs to catch a flight that departs at 3:00 PM. It takes him 45 minutes to get to the airport, and he needs to arrive one hour before the flight departs. At what time should he leave home?

(a) 1:00 PM

(b) 1:15 PM

(c) 1:30 PM

(d) 2:00 PM

Answer: (b) 1:15 PM

Solution: John needs to arrive at the airport by 2:00 PM (one hour before the flight). Since it takes him 45 minutes to get there, he should leave home at 1:15 PM.

Q9: Given the sequence of letters: A, C, E, G, __, what is the next letter?

(a) H

(b) I

(c) J

(d) K

Answer: (b) ISolution: The sequence progresses by skipping one letter each time: A to C (skip B), C to E (skip D), E to G (skip F), and then G to I (skip H). So, the next letter in the sequence is I.

Q10: You have three friends: one is reliable but not particularly skilled, another is skilled but not reliable, and the third is both skilled and reliable. Which friend should you choose for a project?

(a) The reliable but unskilled friend

(b) The skilled but unreliable friend

(c) The skilled and reliable friend

(d) None of the above

Answer: (c) The skilled and reliable friend

Solution: The best choice is the friend who is both skilled and reliable for successful project completion.

Directions (11-13) A cube is painted red on two adjacent surfaces and black on the surfaces opposite to red surfaces and green on the remaining faces. Now the cube is cut into sixty four smaller cubes of equal size.

Q11. How many smaller cubes have only one surface painted?

(a) 8

(b) 16

(c) 24

(d) 32

Answer:(c) 24

Q12. How many smaller cubes will have no surface painted?

(a) 0

(b) 4

(c) 8

(d) 16
Answer:(c) 8

Q13. How many smaller cubes have less than three surfaces painted?

(a) 8

(b) 24

(c) 28

(d) 48
Answer:(d) 48

Q14: In a line of children, Rohan is 8th from the left and 9th from the right. How many children are there in the line?
(a) 15
(b) 16
(c) 17
(d) 18
Answer: (b) 16
Solution: Add Rohan's positions from the left and right, then subtract 1 to avoid double counting Rohan. So, $8 + 9 - 1 = 16$. Therefore, there are 16 children in the line.

Q15: In a class of 40 students, Priya is ranked 5th from the top. How many students are ranked below her?
(a) 34
(b) 35
(c) 36
(d) 37
Answer: (b) 35
Solution: Subtract Priya's position from the total number of students and one more to account for Priya's rank. So, $40 - 5 = 35$. Therefore, there are 35 students ranked below her.

Q16: In a line of people, Sam is ranked 4th from the left and 5th from the right. Which rank is in the middle of the line?
(a) 4th
(b) 5th

(c) 6th
(d) 7th
Answer: (b) 5th
Solution: Given that Sam is 4th from the left and 5th from the right, the person standing in the middle would be 4th + 5th – 1 = 8th – 1 = 7. Therefore, Sam is in the middle position.

Q17: In a race, Tom finishes in 3rd place and Sally finishes in 8th place. How many participants are there between Tom and Sally?
(a) 4
(b) 5
(c) 3
(d) 6
Answer: (a) 4
Solution: To find the number of participants between Tom and Sally, subtract Tom's rank from Sally's rank and then subtract one more. So, 8 – 3 – 1 = 4. Therefore, there are 4 participants between Tom and Sally.

Q18: In a line of students, Ravi is 12th from the left and Sita is 15th from the left. If there are no other students between Ravi and Sita, how many students are in the line?
(a) 26
(b) 25
(c) 24
(d) 23
Answer: (b) 25
Solution: If Ravi is 12th from the left and Sita is 15th from the left with no other students between them, there must be 15 – 12 = 3 positions between Ravi and Sita. Therefore, the total number of students in the line would be Sita's rank from the left (15) plus the 10 students between her and Ravi (b), which equals 25 students in total.

Q19: Amit starts walking from point A and walks 5 meters east to point B. From point B, he walks 3 meters north to point C. Which direction is he facing now?
(a) Northeast
(b) Southwest
(c) Northwest
(d) Southeast
Answer: (a) Northeast
Solution: Amit first walks east and then turns north. The combination of these two movements puts him in a position facing northeast.

Q20: A person starts walking from point X and goes 4 meters north, then 6 meters east, and finally 3 meters south. In which direction is the person facing now?
(a) North
(b) East
(c) South
(d) West
Answer: (b) East
Solution: The person's movements are as follows: 4 meters north, 6 meters east, and 3 meters south. By combining the movements, the person ends up moving 1 meter north and 6 meters east, facing east.