**APTITUDE AND LOGICAL REASONING: QUESTIONAIRRE: MODERATE LEVEL**

1. If a train travels at a speed of 60 km/h, how long will it take to cover a distance of 300 km?
   1. 3 hours
   2. 4 hours
   3. 5 hours
   4. 6 hours
2. If 5 apples cost $2.50, how much will 12 apples cost?
   1. $4.80
   2. $5.75
   3. $6.00
   4. $7.20
3. What comes next in the series: 2, 5, 10, 17, \_\_\_?
   1. 24
   2. 26
   3. 30
   4. 32
4. If A = 1, B = 2, C = 3, ..., Z = 26, what is the value of the word "LOGIC"?
   1. 46
   2. 55
   3. 56
   4. 57
5. If 3x + 5 = 20, what is the value of x?
   1. 5
   2. 6
   3. 7
   4. 8
6. A cube has a volume of 64 cubic meters. What is the length of one side of the cube?
   1. 2 meters
   2. 4 meters
   3. 6 meters
   4. 8 meters
7. If 4 cats catch 4 mice in 4 minutes, how many cats are needed to catch 36 mice in 36 minutes?
   1. 4
   2. 6
   3. 9
   4. 12
8. What is the next number in the series: 3, 6, 12, 24, \_\_\_?
   1. 36
   2. 45
   3. 48
   4. 54
9. If it takes 5 workers 10 hours to complete a project, how many hours will it take 8 workers to complete the same project?
   1. 4
   2. 5
   3. 6
   4. 7
10. What is the missing number in the sequence: 1, 4, 9, \_\_, 25?
    1. 12
    2. 13
    3. 16
    4. 18
11. If a clock reads 3:15, what is the angle between the hour hand and the minute hand?
    1. 30 degrees
    2. 37.5 degrees
    3. 45 degrees
    4. 52.5 degrees
12. If a car travels at an average speed of 50 mph, how far will it travel in 3 hours?
    1. 100 miles
    2. 125 miles
    3. 150 miles
    4. 175 miles
13. If 2/3 of a number is 24, what is the number?
    1. 36
    2. 36
    3. 36
    4. 36
14. What is the smallest prime number greater than 20?
    1. 21
    2. 23
    3. 25
    4. 27
15. If the ratio of cats to dogs in a pet store is 3:2, and there are 15 cats, how many dogs are there?
    1. 8
    2. 10
    3. 12
    4. 15
16. If 20% of a number is 30, what is the number?
    1. 150
    2. 180
    3. 200
    4. 250
17. A bag contains 8 red marbles, 4 blue marbles, and 3 green marbles. If a marble is drawn at random from the bag, what is the probability that it is not green?
    1. 1/3
    2. 4/15
    3. 8/15
    4. 11/15
18. What is the next letter in the series: AB, CD, EF, GH, \_\_\_?
    1. IJ
    2. IJ
    3. JK
    4. KL
19. If the area of a rectangle is 48 square meters and its length is 8 meters, what is its width?
    1. 4 meters
    2. 6 meters
    3. 8 meters
    4. 12 meters
20. What is the sum of the first 10 positive integers?
    1. 45
    2. 50
    3. 55
    4. 60

**QUESTIONAIRRE: TECHNICAL: MODERATE LEVEL**