10 Years of Excellence

1) Average of first five odd multiples of 3 is
a) 21   b) 15
c) 16   d) 12

2) The average of four consecutive even numbers is 15. The 2nd highest number is
a) 16   b) 14
c) 18   d) 12

3) The average of the first 100 positive integers is
a) 49.5   b) 50.5
c) 51   d) 100

4) The average of nine consecutive odd numbers is 53. The least odd number is
a) 45   b) 35
c) 27   d) 22

5) The average of four consecutive even numbers is 9. Find the largest number.
a) 10   b) 8
c) 6   d) 12

6) The average of nine consecutive numbers is n. If the next two numbers are also included the new average will
a) Increase by 1   b) increase by 1.5
c) Remain the same   d) increase by 2

7) If the average of 6 consecutive even numbers is 25, the difference between the largest and the smallest number is
a) 14   b) 12
c) 10   d) 8

8) The arithmetic mean (average) of the first 10 whole numbers is
a) 4.5   b) 5.5
c) 4   d) 5

9) The average of all the odd integers between 2 and 22 is:
a) 11   b) 13
c) 12   d) 14

10) Average of first five prime numbers is
a) 3.6   b) 5
c) 5.6   d) 5.3

11) What is the average of the first six (positive) odd numbers each of which is divisible by 7?
a) 49   b) 47
c) 43   d) 42

12) If a, b, c, d, e are five consecutive odd numbers, their average is
a) a+4   b) 5 (a + b + c + d + e)
c) $\frac{abcde}{5}$ d) 5 (a+4)

13) The average of 5 consecutive integers starting with 'm' is n. What is the average of 6 consecutive integers starting with (m + 2) ?
a) $\frac{2n+9}{2}$ b) (n + 3)
c) (n + 2)   d) $\frac{2n+5}{2}$

14) The average of 7 consecutive numbers is 20. The largest of these numbers is :
a) 20   b) 22
c) 23   d) 24

15) The average of three consecutive odd numbers is 12 more than one third of the first of these numbers. What is the last of the three numbers ?
a) Data inadequate   b) 19
c) 17   d) 15

16) The average of 7 consecutive numbers is 20. The largest of these numbers is
a) 26   b) 24
c) 23   d) 20

17) The sum of three consecutive even numbers is 28 more than the average of these three numbers. Then the smallest of these three numbers is

a) 16   b) 14

c) 12   d) 6

18) The average of first nine prime numbers is

a) $11\frac{1}{9}$ b) $11\frac{2}{9}$

c) 11   d) 9

19) The average of 25 consecutive odd integers is 55. The highest of these integers is

a) 109   b) 155

c) 105   d) 79

20) The average of the first nine integral multiples of 3 is

a) 18   b) 15

c) 12   d) 21