

Class 10 – Maths

Chapter - 5 Arithmetic Progression

Quiz -2 (1- Mark Questions)

1. What will be the next term – $a, a + d, a + 2d, a + 3d$?
 - (a) $a + d$
 - (b) $a + 4d$
 - (c) $a + 5d$
 - (d) $a + 6d$
2. What will be the 8th term - $\frac{5}{2}, 3, \frac{7}{2}, 4, \frac{9}{2}, \dots$
 - (a) $-\frac{11}{2}$
 - (b) $+7$
 - (c) $-\frac{13}{2}$
 - (d) $+6$
3. What will be the 10th term of this A.P. $a, 3a, 5a, 7a, \dots$
 - (a) $18a$
 - (b) $19a$
 - (c) $21a$
 - (d) $23a$
4. The n th term of the AP in $2, 5, 8, \dots$ is ?
 - (a) $3n - 1$
 - (b) $2n - 1$
 - (c) $3n - 2$
 - (d) $2n - 3$
5. What is the next term of the AP in $1^2, 5^2, 7^2, 73 \dots$ is
 - (a) 92

- (b) 99
- (c) 95 (d) 97

6. If initial term = 7 and common difference = 6 , what will be 5th term of this A.P. ?

- (a) 31
- (b) 38
- (c) 37
- (d) None of these

7. What is the 9th of this A.P. - $\sqrt{2}$, $\sqrt{8}$, $\sqrt{18}$, $\sqrt{32}$,

- (a) $8\sqrt{2}$
- (b) $9\sqrt{2}$
- (c) $7\sqrt{2}$
- (d) $\sqrt{8}$

8. What is A_n in this A.P. 3,7,11,15,19,.....51.

- (a) 3
- (b) 4
- (c) 51
- (d) 37

9. Which is not an A.P.?

- (a) 1, 7, 13, 19.....
- (b) 1^2 , 2^2 , 3^2 , 4^2
- (c) $\frac{1}{2}$, $-\frac{1}{2}$, $-\frac{3}{2}$,
- (d) 0, -3, -6, -9, -12.....

10. if $a= 7$ and $d= -3$, What will be the 7th terms of the A.P. ?

- (a) -10
- (b) -12
- (c) -11

(d) None of these