

Class 10 – Maths

Chapter - 5 Arithmetic Progression

Quiz -1 (1- Mark Questions)

1. What will be the next term – 3, -1, -5, -9?
 - (a) 13
 - (b) -13
 - (c) 12
 - (d) -12

2. What will be the common difference of this A.P : $\frac{5}{2}, 3, \frac{7}{2}, 4, \frac{9}{2}, \dots$
 - (a) $-\frac{1}{2}$
 - (b) $+\frac{1}{2}$
 - (c) $-\frac{3}{2}$
 - (d) None of These

3. What is the common difference for this A.P. a, 3a, 5a, 7a,....
 - (a) - 2a
 - (b) - a
 - (c) + 2a
 - (d) + a

4. Which series is an A.P. ?
 - (a) 25, 21, 17, 12,.....
 - (b) 1,-1,1,-2,...
 - (c) 7, 4, 1, -2, -5,.....
 - (d) $1, \frac{1}{2}, 0, -\frac{1}{2}, -\frac{3}{2}, \dots$

5. What is the common difference of this A.P. $\sqrt{2}, 2\sqrt{2}, 3\sqrt{2}, 4\sqrt{2}, \dots$

- (a) $\sqrt{3}$
- (b) 1
- (c) $-\sqrt{2}$ (d) $\sqrt{2}$

6. If initial term = 7 and common difference = 6 , what will be the first three terms of this A.P. ?

- (a) 7, 1,-5
- (b) 7, 13, 19
- (c) 7, 12,17
- (d) None of these

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

- (a) It is not an A.P.
- (b) $\sqrt{2}$
- (c) $2\sqrt{2}$
- (d) $\sqrt{8}$

8. For an A.P. what is necessary?

- (a) There should be an initial term
- (b) The difference between terms should be equal.
- (c) A.P. should have atleast 2 terms
- (d) All of these

9. Which is not an A.P. ?

- (a) 1, 7, 13, 19....
- (b) 1^2 , 2^2 , 3^2 , 4^2
- (c) $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$,
- (d) All of these are A.P

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

- (a) 7,4,1,,.....
- (b) 7,4,-1
- (c) 7, -4,-1
- (d) None of these