

CHAPTER-5 | Arithmetic Progressions

QUIZ
PART-10

1. Find the sum of the A.P. 2, 7, 12, ..., up to 10 terms.

- A. 250
B. 260
C. 270
D. 280 (C)

Explanation: The sum of 10 terms is 270.

2. Find the sum of the A.P. -37, -33, -29, ..., up to 12 terms.

- A. 240
B. 250
C. 260
D. 270 (B)

Explanation: The sum of 12 terms is 250.

3. Find the sum of the A.P. 0.6, 1.7, 2.8, ..., up to 100 terms.

- A. 500
B. 510
C. 520
D. 530 (C)

Explanation: The sum of 100 terms is 520.

4. Find the sum of the A.P. $1/15, 1/12, 1/10, \dots$, up to 11 terms.

- A. 0.4
B. 0.45
C. 0.5
D. 0.55 (A)

Explanation: The sum of the 11 terms is 0.4.

5. Find the sum of the A.P. $7 + 10 + 14 + \dots$, up to 84.

- A. 357
B. 367
C. 377
D. 387 (C)

Explanation: The sum of the terms up to 84 is 377.

6. Find the sum of the A.P. $34 + 32 + 30 + \dots$, up to 10 terms.

- A. 240
B. 250
C. 260
D. 270 (A)

Explanation: The sum of the terms is 240.

7. Find the sum of the A.P. -5, -8, -11, ..., up to -230.

- A. 765
B. 775
C. 785
D. 795 (D)

Explanation: The sum of the terms up to -230 is 795.

8. What is the sum of the first 5 terms of the A.P. 3, 6, 9, ...?

- A. 30
B. 32
C. 35
D. 36 (C)

Explanation: The sum of the first 5 terms is 35.

9. What is the sum of the first 7 terms of the A.P. 5, 10, 15, ...?

- A. 105
B. 110
C. 115
D. 120 (B)

Explanation: The sum of the first 7 terms is 110.

10. Find the sum of the A.P. 10, 20, 30, ..., up to 15 terms.

- A. 1000
B. 1050
C. 1100
D. 1150 (C)

Explanation: The sum of the first 15 terms is 1100.