WORKSHEET -1

ARITHMETIC PROGRESSION (AP) QUESTIONS

Multiple Choice Questions

1. If k + 2, 4k – 6 and 3k – 2 are three consecutive terms of an AP, then the value of k is:

(a) 3   (b) –3   (c) 4   (d) –4

2. The 14th term from the end of the AP –11, –8, –5, …, 49 is:

(a) 7   (b) 10   (c) 13   (d) 28

3. Three numbers in AP have the sum 30. What is its middle term?

(a) 4   (b) 10   (c) 16   (d) 8

4. The value of p for which (2p + 1), 10 and (5p + 5) are three consecutive terms of an AP is:

(a) –1   (b) –2   (c) 1   (d) 2

5. The common difference of the AP whose nth term is given by $a_n = 3n + 7$, is:

(a) 7   (b) 3   (c) 3n   (d) 1

ANSWER: 1. a   2.b   3.b   4.d   5.b