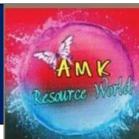
# **AMK Resource World**

# SSLC - Daily Practice Papers



#### **ARITHMETIC PROGRESSION**

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# **MATHS PRACTICE PAPER 01**

Total Marks: 20

I. Choose the Most Appropriate Answers

 $3 \times 1 = 3$ 

1. The n<sup>th</sup> term of an A.P. is given by  $a_n = 3 + 4n$ . The common difference is

a. 7

c. 4

b. 3

d. 1

2. If the sum of three numbers in an A.P. is 9 and their product is 24, then numbers are

a. 2, 4, 6

c. 2, 8, 4

b. 1, 5, 3

d. 2, 3, 4

3. The sum of first n odd natural numbers is

a. 2n<sup>2</sup>

c. 2n – 1

b. 2n + 1

d. n<sup>2</sup>

# II. Solve the following

 $2 \times 1 = 2$ 

- 1. If a = 3, d = 7 and n = 8 the find  $a_n$
- 2. Given  $a_n = 4$ , d = 2,  $S_n = -14$ , find n

## III. Solve the following

 $4 \times 2 = 8$ 

- 3. Find the number of terms of AP 7, 13, 19, ..., 205
- 4. Find the sum of 2, 7, 12,..., to 10 terms
- 5. Find the 31st term of an A.P. whose 11th term is 38 and the 16th term is 73
- 6. The first and the last term of an AP are 17 and 350 respectively. If the common difference is 9, how many terms are there?

### IV. Solve the following

 $1 \times 3 = 3$ 

7. An A.P. consists of 50 terms of which 3<sup>rd</sup> term is 12 and the last term is 106. Find the 29<sup>th</sup> term

#### V. Solve the following

 $1 \times 4 = 4$ 

8. The sum of 4<sup>th</sup> and 8<sup>th</sup> terms of an A.P. is 24 and the sum of the 6<sup>th</sup> and 10<sup>th</sup> terms is 44. Find the first three terms of the A.P

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