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| ATOMIC ENERGY CENTRAL SCHOOL. |
| SUBJECT: MATHEMATICS |
| CLASS: X CHAPTER: ARITHMETIC PROGRESSION MAX. MARKS:15 |
| WORK SHEET -3 |

CHOOSE THE CORRECT OPTION.

1. $ $ The sum of the first five multiples of 3 is

a. $ $ 45 b.$ $ 55 c. 65 d.75 (1 mark)

2. $ $ The first term of an AP is -5 and the common difference is-2, then the sum of first 6 terms is

 a. 0 b. 5 c. 6 d. 15 (1 mark)

3. $ $ The sum of the first 16 terms of the AP is 10,6,2,….. is

 a. -320 b. 320 c. -352 d. -440 (1 mark)

 4. Find the sum of the integers between 100 and 200 that are

 divisible by 9? (2 marks)

5. Find the sum of the last ten terms of the AP ,8,10,12, …… 126. (2 marks )

6. The angles of a triangle are in AP. The greatest angle is twice the least. Find all the angles of the triangle. (2 marks)

7.An AP consists of 37 terms. The sum of the three middle most terms is 225 and the sum of the last three terms is 429. Find the AP. (3 marks)

8.Find the sum of first seven numbers which are multiples of 2 as well as 9.

 (3 marks)

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