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| ATOMIC ENERGY CENTRAL SCHOOL. |
| SUBJECT: MATHEMATICS |
| CLASS: X CHAPTER: ARITHMETIC PROGRESSION MAX. MARKS:15 |
| WORK SHEET -2 |

CHOOSE THE CORRECT OPTION.

1. $ $The 15th term from the last of the AP 7,10,13,….130 is

a. $ $ 49 b.$ $ 85 c. 88 d.110 (1 mark)

2. $ $If k-1,k+1 and 2k+3 are in AP, then the value of k is

 a. -2 b. 0 c.2 d. 4 (1 mark)

3. $ $ If the 2nd term of an AP is 13 and the 5th term is 25, then its 7th term is

 a. 30 b. 33 c. 37 d. 38 (1 mark)

4. Which term of the AP 53,48,43 …..is the first negative term? (2 marks)

5. How many 2 digit numbers are divisible by 3? (2 marks)

6. The nth term of an AP cannot be 3n2+5. Justify your answer. (2 marks)

7. The sum of three consecutive terms of an AP is 3 and their product

 Is -35. Find the numbers.(3 marks)

8. The sum of the 3rd and the 8th terms of an AP is 7 and the sum of the 7th and the 14th terms is -3, find the 10th term. (3 marks)

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