

07.08.2019

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Marks: 20

STD: VIII

PERIODIC ASSESSMENT- II

Time: 45mins

MATHS (PART - I)

I. Answer in one word:

5x1=5

1. An \_\_\_\_ is an equality, which is true for all values of the variable in the equality.
2. Write the formula for  $(a - b)^2$ .
3.  $(x + a)(x + b) = x^2 + (\text{____})x + ab$  complete the bracket.
4. An \_\_\_\_ is true for only certain values of the variable n it. It is not true for all the values of the variable.
5.  $(p + q)(p - q) = \text{_____}$ .

II. Answer the following:

5x3=15

6. Multiply the binomial  $(a + 7b)(7b + 3b)$ .
7. Simplify  $(x + 9)^2$  by using identity.
8. a) Simplify  $(3x + 9)(3x - 9)$   
b)  $(310)^2 = [320 - \text{___}]^2$  fill the blank.
9. Evaluate  $105^2$  by using suitable identity.
10. Find the product:  $(a + b)(8a + 9b + 10c)$