

General instructions for Students: Whatever be the notes provided, everything must be copied in the Mathematics copy and then do the HOMEWORK in the same copy.

CLASS – VIII

11. Factotazation

MATHS

Exercise – 11.1

Factorisation the following polynomials :

1. (ii) $15ax^3 - 9ax^2$

Solution : $15ax^3 - 9ax^2 = 3ax^2(5x - 3)$ **Ans.**

3 (ii) $x^2yz + xy^2z + xyz^2$

Solution : $x^2yz + xy^2z + xyz^2 = xyz(x + y + z)$ **Ans.**

6 (ii) $3a(x^2 + y^2) + 6b(x^2 + y^2)$

Solution : $3a(x^2 + y^2) + 6b(x^2 + y^2) = 3(x^2 + y^2)(a + 2b)$ **Ans.**

7(ii) $14(a - 3b)^3 - 21p(a - 3b)$

Solution : $14(a - 3b)^3 - 21p(a - 3b) = 7(a - 3b) \{2(a - 3b)^2 - 3p\}$ **Ans.**

HOMEWORK

EXERCISE – 11.1

QUESTION NUMBERS: 1(i), 2(ii), 4(ii), 5(i) and 7(i)
