ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI – 110 054

Std. 8 Time : 1 hr.

26-11-2014 Second Unit Test in MATHEMATICS M. Marks: 20

Section – A [1 mark each]

1. Find the product of $-6abc$, $\frac{3}{2}ab$ and $\frac{1}{3}bc$.
2. Expand $(4x - 3y)^2$.
3. Factorise $x^2 + 6x + 9$.
4. Give the ordinate and abscissa for A(3, –5)

Section – B [2 marks each]

5. Factorise $49x^2 - 64y^2$.
6. Using the suitable identity, find the product of $(2p + 5)(2p - 6)$.
7. Write in which quadrant or axis, will the following points lie.
   P(8, –6), Q(–7, 2), R(0, –5) and S(–5, –4).

Section – C [3 marks each]

8. Simplify $4xy(xy^2 - 2z) + 7x^2y^2(3y + 4z) - 5y^2(2xy - 6x^2z)$.
9. Factorise i) $x^2 - y^2 + 2yz - z^2$
   ii) $x^2 + 2x - 48$

Section – D [4 marks]

10. Plot the following points on a Cartesian plane.
    A(1, 0), B(–5, 0), C(2, 4) and D(0, 5).

-x-x-x-x-x-x-

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