

**INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT 3**

Set 1

MATHEMATICS

**STD VIII
06-11-13**

**Marks : 25
Time : 45min**

General Instructions:

Do the calculations in the working column

Give necessary formulae and steps wherever required

This question paper consists of **11** questions divided into four sections **A , B , C and D****Section A** comprises of **3** questions of **1 mark** each**Section B** comprises of **4** questions of **2 mark** each**Section C** comprises of **2** questions of **3 mark** each**Section D** comprises of **2** questions of **4 mark** each**SECTION A**

1. Which of the following ratios is equal to 35% ?

- A. 5 : 7 B. 7 : 10 C. 7 : 20 D. 7 : 5

2. Which of the following polynomial is a trinomial ?

- A. 7abc B. $2x^2 + 3y^2 - z^2$ C. $2x^2 + y^2$ D. $3p^3$

3. If Cost Price = Rs.100 and Profit = Rs. 91, then the gain percent is _____

- A. 100% B. 9% C. 91% D. 12%

SECTION B

4. A shop gives 30% discount. What will be the sale price of a pair of sandals marked at Rs 1500?

5. The cost of a carpet is Rs 7560 including 8% VAT. Find its cost before VAT was added.

6. Add the following : $5x^2 - 4xy + 8y^2$, $3xy + 4x^2 + 3y^2$, $-3x^2 + 6xy - 7y^2$ 7. Subtract $3x^2 + 4x^2y - 5xy^2 - y^2$ from $-5y^2 + 7x^2 + 4x^2y - 7xy^2$ **SECTION C**8. Find the amount and compound interest on Rs 50000 for $2\frac{1}{2}$ years at 10% per annum compounded annually.

9. The population of a town is 16000. It is increasing at the rate of 10% per annum. Find its population after two years.

SECTION D

10. Find the amount paid when a sum of Rs 20,000 is invested for 1 year at 10% per annum compounded half yearly.

11. A man bought two horses for Rs 30,000 each. He sold them and on one he made a profit of 3% and on the other a loss of 5% Find the overall profit or loss.

***** THE END *****