

**INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT 3**

Set 2

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**

- Which of the following ratios is equal to 68% ?
A. 25 : 17 B. 7 : 25 C. 17 : 25 D. 7 : 5
- Which of the following polynomial is a trinomial ?
A. $(abc)^3$ B. $2x^2 + 3y^2$ C. $2x^2 + y^2 - z^3$ D. $3p^3$
- If Marked Price = Rs.100 and Sale Price = Rs. 80, then the discount percent is _____
A. 6% B. 20% C. 80% D. 12%

SECTION B

- A shop selling sewing machines offers 3% discount. What cash amount does a customer pay for a sewing machine marked at Rs 600?
- A refrigerator is available for Rs13750 including VAT. If rate of VAT is 10% , find the original cost of furniture.
- Add the following : $-8x^2 - 4xy + 10y^2$, $3xy - 4x^2 + 3y^2$, $-3x^2 + xy - 7y^2$
- Subtract: $-3x^2 - 4x^2y + 5xy^2 - y^2$ from $-5y^2 + 7x^2 - 3x^2y + 6xy^2$

SECTION C

- Find the amount and compound interest on Rs 30000 for $2\frac{1}{2}$ years at 10% per annum compounded annually.
- The population of a town is increasing at the rate of 5% per annum. What will be the population of the town on this basis after two years, if the present population is 16000?

SECTION D

- Find the amount paid when a sum of Rs 20,000 is invested for 12 months at 4% per annum compounded half yearly.
- A man bought two articles for Rs 25000 each. He sold both the articles and on one he made a profit of 8% and on the other a loss of 4% Find the overall profit or loss in the whole transaction.

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