Class: IX	Formative Assessment - I
Sub. MATHE	MATICS

I. Solve any 3 of the following problems.

 $3 \times 4 = 12$

marks: 25

- 1. Rationalize the denominator of $(\sqrt{7} \sqrt{5}) / (\sqrt{7} + \sqrt{5})$.
- 2. Visualise 2.874 on the number line, using successive magnification.
- 3. Find the value of $\sqrt{5}$ upto 3 decimal places.
- 4. Simplify: $4\sqrt{81} 8 \ 3\sqrt{343} + 15 \ 5\sqrt{32} + \sqrt{225}$.

II. Answer any 3 of the following questions.

 $3 \times 2 = 6$

- 5. Find: $(64)^{1/6}$.
- 6. Simplify: $(\sqrt{11} + \sqrt{7}) (\sqrt{11} \sqrt{7})$.
- 7. Find an irrational number between 5/7 and 7/9.
- 8. Express 15.4 in p/q form.

III. Fill in the blanks.

 $4 \times \frac{1}{2} = 2$

- 1. Decimal form of 32/5 is _______
- 2. Rationalizing factor of 7 + 4 3 is _____
- 3. (a + b)(a b) =
- 4. $a^p \times a^q = \underline{\hspace{1cm}}$