DISTRICT COMMON EXAMINATION BOARD, GUNTUR

FORMATIVE ASSESSMENT - II – 2016 - 2017

SUBJECT : MATHEMATICS
(English Medium)
SLIP TEST

Class : VIII   (Max. Marks : 20)   Time : 1 Hr.

Name : .... Section : .... No. ....

I. Problem Solving :

1. If the compound ratio of 5 : 8 and 3 : 7 is 45 : x. Find the value of x.   **4**

2. **Fill in the blanks.** $4 \times \frac{1}{2} = 2$

   i) Profit % or loss % is always calculated on _____

   ii) Formula for finding amount using compound interest _____

   iii) a, b, c are positive integers and if $a^2 + b^2 = c^2$ then (a, b, c) are said to be_____

   iv) $5^{-2} =$ _____

II. Reasoning and proof :

3. Simplify and give reasons $\left(\frac{4}{7}\right)^{-5} \times \left(\frac{7}{4}\right)^{-7}$ **5**

   (Or)

   The following numbers are not perfect squares. Give reasons.

   i) 257   ii) 4592   iii) 2433

   iv) 5050   v) 6098

III. Communication :

4. Express the following numbers in the usual form $2 \times 1 = 2$

   i) 4.37×10^5 ii) 32.5×10^{-4}

5. Find the ratio of number of vowels in the word "MISSISSIPPI" to the number of consonants in the simplest form.   **1**

IV. Connection :

6. 7921 soldiers sat in an auditorium in such a way that there are as many soldiers in a row as there are rows in the auditorium. How many rows are there in the auditorium ?   **2**

V. Representation :

7. Madhuri went to a super market. The price changes are as follows the price of rice reduced by 5%. Jam and fruits by 8% and oil and dal increased by 10%. Help Madhuri to find the changed prices in the given table.   **4**

Item	Original Price / Kg	Changed Price
Rice	Rs. 30	
Jam	Rs. 100	
Apples	Rs. 280	
Oil	Rs. 120	
Dal	Rs. 80	