



# VIVEK TUTORIALS

Mathematics  
Practice Test  
Max Marks: 20

Date : 14/Apr/2019

Grade: 8th (ICSE)  
UNIT TEST - ROUND 2

Time: 30Min

## Question 1

(a) If  $1125 = 3_m \times 5_n$ ; find m and n. 3

(b) Ramesh earns Rs40,000 per month. He spends  $\frac{3}{8}$  of the income on food,  $\frac{1}{5}$  of the remaining on LIC premium and then  $\frac{1}{2}$  of the remaining on other expenses. Find how much money is left with him? 3

(c) Evaluate: (i)  $(3^{-1} \times 9^{-1}) \div 3^{-2}$  (ii)  $(3^{-1} \times 4^{-1}) \div 6^{-1}$  4

## Question 2

(a) The population of a city is 6,63,432. If  $\frac{2}{5}$  of the population are adult males and  $\frac{1}{3}$  of the population are adult females, then find the number of children in the city. 3

(b) Compute: 3

(i)  $\left(\frac{27}{64}\right)^{\frac{2}{3}}$  (ii)  $\left(\frac{1}{32}\right)^{-\frac{2}{5}}$

(c) Sum the sum of  $\frac{-5}{7}$  and  $\frac{-8}{3}$  from the sum of  $\frac{5}{2}$  and  $\frac{-11}{12}$ . 4

----- All the Best -----