



# ST. LAWRENCE HIGH SCHOOL



## TOPIC –Real Number

Subject : Mathematics

Class-9 First term F. M. 15

WORKSHEET NO. - 13

Solutions

Date: 27.02.2021

### Q.1) Choose the correct option:

(1x15=15)

- i) The decimal expansion of  $\sqrt{5}$  is  
c) a non terminating and non recurring decimal
- ii) The product of two irrational numbers is  
d) rational or irrational number.
- iii)  $\pi$  and  $\frac{22}{7}$  are  
d)  $\pi$  is irrational and  $\frac{22}{7}$  is rational
- iv) Between two rational numbers, there exists  
c) infinite numbers of rational numbers
- v) Between two irrational numbers, there exists  
c) infinite numbers of irrational numbers
- vi) The number 0 is  
d) whole number, integer, rational and real number but not irrational.
- vii) The number  $-5$  is  
c) a rational number
- viii) The difference of two whole numbers is always  
c) a rational number
- ix) The number  $\sqrt{7}$   
b) lies between 2 and 3
- x) In the triangle ABC, if  $\angle C$  is a right angle then  
b)  $AC^2 + BC^2 = AB^2$
- xi) The product of two irrational number  $(2 + \sqrt{7})$  and  $(2 - \sqrt{7})$  is a positive integer whole value is  
b) - 3
- xii) Which of the numbers given below is multiplied with  $\sqrt{3}$  to give a rational number?  
c)  $2\sqrt{3}$
- xiii) The number of irrational numbers between two irrational numbers is  
d) infinite
- xiv) The number of irrational numbers between two rational numbers is  
d) infinite
- xv) Of the numbers given below which one is not irrational?  
c)  $5 + \sqrt{4}$

-Chaitali Roy