ASSIGNMENT NO. 10

 CHAPTER- RATIONAL NUMBERS

CLASS- VII SUBJECT- MATHS

Q1. True/ False:-

1. The quotient of two integers is always a rational number.
2. Between two distinct integers, we can always insert an integer.
3. Every fraction is a rational number.
4. Two or more rational numbers are called equivalent if they have the same value.
5. Every integer is a rational number.

Q2. Insert six rational numbers between -1/2 and 2/3.

Q3. Insert five rational numbers between 1/3 and 2/3.

Q4. Express a) 3/-4 b) -9/-7 as rational numbers whose denominators are positive.

Q5. Reduce each of the following rational numbers to standard form:-

 a) -18/45

 b) -72/-108

 c) 36/-24

Q6. Add the following pairs of rational numbers:-

 a) 5/7 , 9/-7

 b) -23/18 , 17/24

Q7. Subtract -1/3 from 7/5 .

Q8. Calculate ½ - (1/3 - 1/4) and (1/2 - 1/3) - 1/4

Q9. Multiply 5/24 and -6

Q10. Simplify: (1/4 - 1/12) + (13/14 + 15/-52)

Q11. Compute: 52/17 x 33/-34

Q12. The product of two rational numbers is -9/16 . If one of them is 3/14 , find the other number.

Q13. Find the reciprocal of the following:-

1. ( -5 x 12/15 ) – ( -3 x 2/9 )
2. 8/35 x 21/-32
3. $-3\frac{1}{5}$

Q14. What rational number should be subtracted from -2/3 to get -5/6 ?

Q15. Which rational number is greater :-

 $-5\frac{5}{9} $ or $-5\frac{7}{12} $ ?