ASSIGNMENT NO. 13

CHAPTER- EXPONENTS & POWERS

CLASS- VII SUBJECT- MATHS

Q1. Simplify the following:-

1. 3 x 103
2. 26 x 7
3. 33 x ( -2 )3

Q2. Find the value of x in each of the following:-

1. ( -5 )x = -125
2. ( 2 )x = 32
3. ( 3 )x = 729

Q3. Write the base and power of each of the following :-

1. 35
2. ( -8)3
3. ( -9)5

Q4. Evaluate :- ( -6)3 x ( -2)2 x ( -4)3

Q5. Whch one is greater 92 or 29  ?

Q6. Find the reciprocal of ( -4/5)14 and express it in the exponential form.

Q7. Find the value of { (-6)0  – (2)0 } / ( -3/4 )0

Q8. Simplify :- ( -8/15 )8 / ( -8/15 )6

Q9. Simplify and express in the exponential form :-

( -2/15)2  x ( -5/7)3

Q10. Write the following numbers in the standard form:-

1. 3908.78
2. 3,43,000

Q11. Express each of the following as a product of prime factors in the exponential

Form :-

1. 108 x 192
2. 384 x 147
3. -125 x 343

Q12. Simplify & write the following in the exponential form:-

1. 92 x112 - 22 x 3 x 170
2. 23 x 32 x ( -11 )2  + 2-5  x 2-8 – ( -2 ) 0

Q13.Fill in the blanks:-

1. If (100 )0 = 10n , then the value of n is \_\_\_\_\_\_.
2. 35070000 = 3.507 x 10\_\_
3. The value of ( -2 )-3  = \_\_\_\_\_\_.
4. The value of ( 6-1 – 8-1 )-1 = \_\_\_\_\_.