12.07.2019 EVERWIN VIDHYASHRAM Marks: 40
STD: VII PERIODIC ASSESSMENT - 1 Time: 1½hrs
MATHS

I. Answer in one word: 4x1=4

1. Which integer is neither positive nor negative?
2. Give the general form of rational numbers.
3. Give the expression for the following: “Subtract c from d”.
4. Are they like terms? $-4x$, $-4y$.

II. Answer the following: 4x2=8

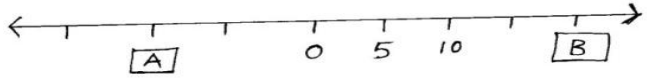
5. Verify a – (-b) = a + b for the values a = (-6), b =12.
6. Draw a number line and represent the rational number $\left(\frac{-3}{4}\right)$.
7. Find: 40 ÷ [-2 + 3]
8. Find: $\frac{-2}{3} \div \frac{1}{6}$

III. Answer the following: 4x3=12

9. Write two rational numbers equivalent to $\left(\frac{-2}{5}\right)$
10. Classify the given expressions into monomial, binomial, and trinomial.
    -4a, $3 - y + y^2$, $x + 3y$, $3x + 6y - 5x$, 100.
11. Find the product using the distributive property: $8 \times (30 - 1)$.
12. In a class test containing 20 questions, 3 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and zero for questions not attempted.
    Rekha gets 7 correct and 6 incorrect answers. What is her total score?

IV. Answer the following: 4x4=16

13. a) Find four rational numbers between -2 and 0.
    b) Express 0 in the form of $\frac{p}{q}$.
14. a) Identify the terms and factors of the given expression using tree diagram. $-3a^2b + 2ab^2 + ab$.
    b) The numerical coefficient of m in 5m is _____.
15. a) Find: $\frac{-2}{5} + \frac{1}{7}$ b) Find: $\frac{20}{35} \times \frac{-7}{14}$
16. a) From the given number line find out A and B.



b) Which of these is not a factors of $2xy$?
i) x ii) x^2 iii) y iv) 2

c) Multiplication of integers is _____.
a) Not possible b) Not defined c) Not closed d) Associative