16.07.2019 EVERWIN VIDHYASHRAM Marks: 40
STD: VI PERIODIC ASSESSMENT - 1 Time: 1hr 15min
MATHS

I. Multiple choice questions: 5x1=5

1. The letter which are used to represent numbers are called _____.
   a) Symbol b) Literals c) Factor d) Coefficient
2. If L.H.S ≠ R.H.S, then it is _____ equations.
   a) Numerical b) Linear c) Not an d) literals
3. A _____ is a statement that shows two ratios are equal.
   a) Expression b) Proportion c) Means d) Extremes
4. In m^3, m is a _____.
   a) Index b) Constant c) Base d) Alphabet
5. The difference of x and y, when $x > y$ is _____.
   a) $2xy$ b) xy c) $x - y$ d) $y - x$

II. Match the following: 5x1=5

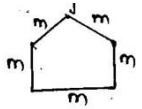
A		B
6. Polynomial	-	Constant
7. 4:40: : 21 : 210	-	m + n + x + 5
8. Fixed value	-	1 : 2
9. Monomial	-	Proportion
10. 100 : 200	-	4a

III. Answer the following: 5x1=5

11. Write the simplest form of 25 : 45.
12. Find the value of x, if $x + 15 = 18$.
13. Give an example for binomial expression.
14. Find the equivalent ratio of 2 : 3.
15. Give an expression for 8 divided by n.

IV. Solve the following: 5x3=15

16. Find the ratio of 44km to 11km.
17. Give expression for the following statements
    i) "y multiplied by 9 and then 12 subtracted from the product".
    ii) "$4y$ multiplied by 2".
18. The side of a regular pentagon is denoted by m. Express the perimeter of the pentagon using m.



19. Check whether the ratios 14 : 21 : : 2 : 3 are in proportion.
20. Sita is Priya's elder sister. Sita is 8 years elder than Priya. Can you express sita's age in terms of Priya's age? Consider Priya's age as m years.

V. Word problems: [Answer any 2] 2x5=10

21. Answer the following: Consider Ramu's present age to be x years
    i) What will be his age 10 years from now?
    ii) What was his age 15 years ago?
    iii) Balu is turce as old as Ramu. What is the age of Balu?
    iv) Surya is 4 years younger than Ramu. What is the age of Surya?
    v) Ramu's mother's age is 4 years more than 2 times Ramu's age. What is his mother's age?
22. Father wants to divided ₹400 between his daughters Sheena and Veena in the ratio 1 : 3. Find the share of Sheena and Veena.
23. Complete the table and by inspection of the table find the solution to the equation $m + 15 = 19$.

m	1	2	3	4
m + 15				