

16.07.2019
STD: VI

EVERWIN VIDHYASHRAM
PERIODIC ASSESSMENT - 1
MATHS

Marks: 40
Time: 1hr 15min

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 \neq 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. $100 : 200$ | - $4a$ |

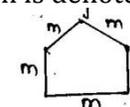
III. Answer the following: 5x1=5

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 twice 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
$m + 15$				