

18.07.2019  
STD: VIII

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PERIODIC ASSESSMENT - 1  
MATHS

Marks: 40  
Time: 1½ hrs

I. Answer the following:

4x1=4

1. Write the additive inverse of  $\frac{-4}{5}$ .

2. Find the value of  $4^3$ .

3. Rational numbers can be represented on \_\_\_\_\_.

4. Multiply 5a, 6b, 3c.

II. Answer the following:

4x2=8

5. Verify that  $-(-x) = x$  for  $x = \frac{11}{25}$ .

6. Find the product of  $\frac{-9}{32}x^2y^3 \times \frac{-8}{18}x^3y^2$ .

7. Write the 5 Rational number which are greater than -2.

8. Represent  $\frac{-1}{8}, \frac{-5}{8}$  &  $\frac{3}{8}$  on number line.

III. Answer the following:

4x3=12

9. Find the volume of rectangular box whose length, breadth & height is  $3x^2, 7xy^2$  &  $8x^3y^3$ .

10. a) Multiply  $\frac{11}{63}$  by the reciprocal of  $\frac{121}{9}$ .

b) Write the standard form of 0.000000769.

11. Find the value of  $[5^{-1} + 7^0] \times 5^3$ .

12. Add a (b - c), b(c - a) & c (a - b).

IV. Answer the following:

4x4=16

13. Find 6 rational numbers between  $\frac{3}{8}$  &  $\frac{2}{5}$ .

14. Simplify and find the value of  $9(p^2 + 2p + 5)$  for  $p = 2$ .

15. a) Find the usual form of  $3.673 \times 10^5$ .

b) Verify  $\frac{110}{45} \times \frac{96}{55} = \frac{96}{55} \times \frac{110}{45}$  and name the property.

16. Construct a quadrilateral ABCD AB = 5cm, BC = 6cm, CD = 4.5cm,  
AD = 6cm and AC = 7cm.