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O. P. JINDAL SCHOOL, SAVITRI NAGAR

Periodic Test - I (2023 – 2024)

Class / Section: VIII / **MM: 20**

Subject: Maths **Time: 1 Hrs.**

Name: _____ Roll No._____

General Instructions: ***All questions are compulsory.***

1. ***Question 1 to 8 carry 1 mark each.***
2. ***Question 9 to 11 carry 2 marks each.***
3. ***Question 12 and 13 carry 3 marks each.***

SECTION-A

Multiple choice questions:

Que.(1) The solution of the equation ax + b = 0 is-

a) $\frac{-a}{b}$ b) $\frac{a}{b}$ c) $\frac{b}{a}$ d) $\frac{-b}{a}$

Que.(2) (-1) is not a solution of the equation.

a) $x + 1 = 0$ b) $2x + 3 = 1$ c) $x - 1 = -2$ d) $x - 5 = 4$

Que.(3) $\frac{2}{3} \div$ _____ = 1

a) 0 b) 1 c) $\frac{2}{3}$ d) $\frac{3}{2}$

Que.(4) The multiplicative inverse of -13 is-

a) 13 b) $\frac{1}{13}$ c) $\frac{-1}{13}$ d) -13

OR

Which number is called the multiplicative identity for rational number?

a) 0 b) 1 c) -1 d) 10

Que.(5) Which of the following is not a linear equation?

a) $x + y - 2 = 0$ b) $2x + 5 = 11$ c) $4x^2 = 15$ d) $\frac{2}{x} = 9$

OR

If the sum of two consecutive positive integers is 31 then the smallest integer is

a) 14 b) 15 c) 16 d) 17

Que.(6) $\frac{-2}{-19}$ is –

a) a positive rational number.

b) either positive or a negative rational number.

c) neither a positive nor a negative rational number.

d) a negative rational number.

Que.(7) Rational number $\frac{-11}{7}$ lies between

a) 0 and 1 b) 0 and -1 c) -1 and -2 d) -2 and -3

Que.(8) The rational number which is neither positive nor negative is _____.

a) 0 b) 1 c) -1 d) none of these

SECTION – B

Que.(9) What number should be subtracted from $\frac{-3}{4}$ to get $\frac{5}{6}$?

OR

Simplify- $\frac{-5}{18} - \frac{7}{24} + \frac{5}{12}$

Que.(10) Two numbers are in the ratio 7:5. If they differ by 16, What are the numbers?

Que.(11) Solve - $\frac{7x}{5} = x - 4$

SECTION – C

Que.(12) The present age of Aditya's mother is four times that of Aditya's age. Aditya's age ten years from now will be half of his mother's present age. What are their present age?

OR

Solve-

a) $\frac{4x-5}{x+2} = \frac{8x-1}{2x+1}$

b) $\frac{5-7x}{2(1+2x)} = \frac{-8}{7}$

Que.(13) Find twenty rational numbers between $\frac{3}{5}$ and $\frac{3}{4}$.

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