साधना देवी विद्यापीठ

Punjabi Colony (Dharampur) Samastipur. 848101 (Bihar)

Half Yearly Examination- 2018-19

Subject :- Maths
Class :- VII

JSUNIL TUTORIAL

Time :- 2:30 hrs
F.M :- 100

Q. No. 1 to 10 Carry 3 marks. Q. No. 11 to 15 carry 6 marks. Q. No. 16 to 20 carry 8 marks.

1. Write the pair of integers whose.
   (a) Sum is - 7 (b) Sum is 0
2. What must be subtracted from - 5 to get - 11 ?
3. Define.
   (a) Mixed fraction (b) Vulgar fraction
4. Convert the following into mixed fractionss
   (a) $\frac{207}{50}$ (b) $\frac{85}{7}$
5. Find.
   (a) $\frac{2}{7}$ of 9L (b) $\frac{1}{6}$ of 54
6. Convert the following fraction to decimals.
   (a) $\frac{16}{5}$ (b) $\frac{1}{1000}$
7. Find the value of $0.04 + \frac{404}{1000}$
8. Find the value of x
   (a) $\frac{x}{8} \cdot = \frac{7}{8}$ (b) $x + 7 = 15$
9. Write the additive inverse.
   (a) - 8 (b) $\frac{-32}{-15}$
10. Fill in the blanks.
    (a) $7^5 \times$ ..... $= 7^3$ (b) $2^0 \times 5^0 \times 9^0 =$ ..... 1 .
11. Find the value of
    (a) $(4)^{x+3} = 1024$ (b) $3^x = 729$
12. Subtract.
    (a) $4x^2 - 2x + 4$ from $5x^2 - 3x - 7$ (b) 7xyz from - 3xyz
13. (a) $4x + 3 = 15$ (b) $7 - 3m + 2 - 5m = -4$
14. Two supplementary angles differ by 22^0. find the angles.
15. Express each of the following ratios in simplest form.
    (a) 10 months : 1 Year (b) 1 kg : 250 g
16. The cost of 28 shirts is Rs. 6720, Find the cost of 15 such shirts.
17. Define.
    (a) Angle (b) Supplementary angle
    (c) Adjacent angles (d) Complementary angle
18. Solve the following.
    (a) $x > 5, x \in N$ (b) $\frac{3m+5}{m-2} = \frac{-5}{7}$
19. Arrange the following.
    (a) In descending order. $\frac{-7}{10}$ $\frac{5}{-8}$ $\frac{3}{2}$
    (b) Arrange in ascending. $\frac{-21}{5}$ $\frac{13}{-6}$ $\frac{9}{-10}$
20. Represent on the number line.
    (i) $\frac{2}{3}$ (ii) $3\frac{1}{2}$ (iii) $\frac{11}{5}$ (iv) - 7