SUB: MATHEMATICS   CLASS: VII - VIII
MAX MARKS:25   TIME : 45 MIN

SECTION A (10 X 1= 10)

I MULTIPLE CHOICE QUESTIONS:

1. Which of the following statements is true?
   a)2 subtracted from – 3 gives 1   b) -5 subtracted from 8 gives 3
   c) -1 subtracted from 3 gives 4   d) 0 subtracted from 5 gives -5

2. The sum of the expressions x^2 and $x^2 + 5$ is a

   a) monomial   b) binomial   c) trinomial   d) quadrinomial

3. Which of the following is greater?

   a) $\frac{1}{2}$ b) $\frac{2}{8}$ c) $\frac{3}{4}$ d) 1

4. The standard form of the number 556000000 is
   a) 5.56×10^6 b) 5.5×10^8 c) 55.6×10^8 d) 5.56×10^8

5. The value of the expression $a^2 + 2b$ when a =1, b = - 2 is
   a) -1   b) 0   c) -2   d) 2

II. FILL IN THE BLANKS:

6. Identify the diameter of a circle whose circumference is 9π. _____
7. 80% of 400 kg is _____
8. Find the number whose One-third gives 20 _____.
9. ΔABC is congruent to ΔPQR under the correspondence ABC ↔ RPQ, then the part of ΔABC that corresponds to PQ is_____
10. In a right-angled triangle, if one of the angle measures 50^0, then the measure of the other acute angle is _____

SECTION – B (3 X 2 = 6)

11. The difference in the measure of two complementary angles is 40^0. Find the measure of the angles.

12. A building has 7 floors above the ground level and 3 floors below the ground level. The floor at the ground level is denoted by 0 and the floor just above the one at the ground level is denoted by 1.

    (i)   How will you denote the 2nd floor BELOW the ground level?

(ii)   How will you denote the 5th floor ABOVE the ground level?

13. Simplify: $3\frac{3}{5} \times \frac{5}{6} \div 5\frac{3}{5} \times \frac{12}{14}$

SECTION – C (3 X 3 = 9)

14. Consider the expression $5x^2 - 9x + 8$.
   (i)   Classify the expression based on number of terms.
   (ii)   What should be added to $5x^2 - 9x + 8$ to get $9x^2 + 5x + 10$

15. The pocket money received by 10 students is given below.
   ₹50, ₹60, ₹50, ₹30, ₹70, ₹40, ₹20, ₹40, ₹40, ₹20
   Find the mean, median and mode.

16. The two adjacent sides of a parallelogram are 5cm and 4cm respectively and if the altitude is 2cm corresponding to the side 5 cm, then find the length of altitude corresponding to the side of 4cm.

Prepared by: Maria G

Checked by: L.Ananthalakshmi

Grammar checked by: Sherline.D

Endorsed by the BC: L.Ananthalakshmi

Principal