SUMMATIVE ASSESSMENT – THIRD TERM

MATHEMATICS

Max. Marks: 60

Std - VI

Time: 2 Hrs

I. Choose the correct answer: **5 x 1 = 5**

1. $\frac{4}{7}$ and $\frac{5}{8}$ are _____ fractions.
   a) like b) unlike c) equivalent d) mixed

2. $\frac{13}{24} + \frac{5}{18}$ is equal to _____.
   a) $\frac{72}{59}$ b) $\frac{67}{72}$ c) $\frac{18}{24}$ d) $\frac{18}{48}$

3. _____ is the distance around a closed plane figure.
   a) Perimeter b) Area c) Diameter d) Length

4. $\frac{3}{5}x = 12$, then x is equal to _____.
   a) 18 b) 19 c) 20 d) 21

5. $x - 7 = -3$, then x is equal to _____.
   a) –4 b) +4 c) –5 d) +5

II. Fill in the blanks with suitable answers: **5 x 1 = 5**

6. Area of a right angled triangle is _____.
7. If the length and breadth of a rectangle are 6 cm and 2 cm. Then its area is _____.
8. _____ is the surface enclosed by a closed figure.
9. The decimal value of $23\frac{7}{25}$ is _____.
10. $\frac{4}{5} - \frac{1}{10}$ is _____.

III. Match the following: **5 x 1 = 5**

11.	$\frac{54}{74}$	-	$\frac{27}{40}$
12.	$\frac{140}{175}$	-	48
13.	$\frac{7}{8} - \frac{1}{5}$	-	0.0001
14.	L.C.M of 8, 12, 16	-	$\frac{27}{37}$
15.	$\frac{1}{10000}$	-	$\frac{4}{5}$

IV. State whether the following statements are True or False: **5 x 1 = 5**

16. The decimal value of $\frac{124}{25}$ is 5.96.
17. 4.53 + 21.32 is equal to 25.85.
18. Perimeter is adding all the sides of the closed figure.
19. All the alphabets from A to Z are symmetrical in nature.
20. $\frac{13}{20} - \frac{4}{15}$ is equal to $\frac{60}{23}$.

V. Do as Directed: (Any 10) **10 x 2 = 20**

21. Find the sum: $\frac{5}{6} + \frac{7}{15}$
22. Arrange the fractions in ascending and descending order. $\frac{2}{5}, \frac{5}{6}, \frac{11}{15}$
23. Expand the decimal 0.9754 using fractional expansion.
24. Add 23.4597, 2.34 and 0.00483.
25. The length and breadth of a rectangle are 12 cm and 6 cm respectively. Find the perimeter of the rectangle.
26. The perimeter of a square is 100 centimeters. What is the length of each side?
27. Define symmetry and give an example.
28. Find the value of x.
    (i) $2(x + 2) = 12$ (ii) $x - \frac{2}{8} + x + \frac{4}{4} = \frac{13}{2}$
29. Define parallel lines and perpendiculars line.
30. Define algorithm and write an algorithm for subtracting 2 numbers a and b.
31. The age of the father is 49 years. He is 4 years older than three times his son's age. Find the age of the son.
32. A wire of length 16 cm is bent into a square. Find the side of the square.
33. Write the formula for the following.
    (i) Perimeter of a square = _____ units.
    (ii) Perimeter of a rectangle = _____ units.
34. Convert the fractions to decimal.
    (i) $\frac{3}{1000}$ (ii) $\frac{563}{10000}$

VI. Answer the following: (Any 4) **4 x 5 = 20**

35. Simplify: $4\frac{1}{3} + 5\frac{1}{6} - 2\frac{2}{9}$
36. Change the following into mixed fractions.
    (i) $\frac{14}{8}$ (ii) $\frac{5}{3}$ (iii) $\frac{27}{5}$ (iv) $\frac{24}{7}$ (v) $\frac{48}{9}$
37. Simplify:
    (i) 101.35 – 9.75 + 3.002
    (ii) 15 + 8.32 + 2002.97 + 363.46

38. Find the value of the variable.
    (i) $7(a - 2) = 0$
    (ii) $5x - \frac{3}{2} = \frac{7}{2}$
    (iii) $x + 17 = 77$
    (iv) $4x + 6x - 14 = 6$
    (v) $2x = 46$

39. Find the GCD of the following using Euclid Algorithm.
    $a = 254, \quad b = 32$

40. Complete the following table.

Expression	$x = 1$	$x = 3$	$x = 5$	$x = 7$	$x = 9$	$x = 10$
$x + 3 + x^2$						
$50 - x + 2$						