

**SUMMATIVE ASSESSMENT – FIRST TERM****MATHEMATICS****Max. Marks: 60****Std - VII****Time: 2 Hrs****I. Choose the correct answer:****10 x 1 = 10**

1. The sum of  $-15$  and  $+9$  is  
a)  $+24$                       b)  $-24$                       c)  $-6$                       d)  $+6$
2. The product of  $(-7) \times (+3)$  is  
a)  $+21$                       b)  $-21$                       c)  $+10$                       d)  $-10$
3. The additive identity for integers is  
a)  $1$                       b)  $-1$                       c)  $0$                       d) none of these
4. The length of a semicircle of radius  $r$  units is  
a)  $\frac{1}{2} \pi r$                       b)  $\pi d$                       c)  $\pi r$                       d)  $\pi r + 2r$
5.  $1.2 \times 0.12 =$   
a)  $0.144$                       b)  $1.440$                       c)  $14.40$                       d)  $1.044$
6.  $0.2 \times 0.2 + 0.2$   
a)  $4.2$                       b)  $0.42$                       c)  $0.24$                       d)  $0.024$
7.  $0.16 \div 0.4 =$   
a)  $0.04$                       b)  $0.4$                       c)  $4.0$                       d)  $0.004$
8.  $2^0$  is  
a)  $0$                       b)  $1$                       c)  $2$                       d)  $2 \times 0$
9. If  $2m + 5 = 25$  then the value of  $m$  is  
a)  $2$                       b)  $1$                       c)  $10$                       d)  $15$
10. For a party  $40\text{kg}$  of vegetables were ordered for  $300$  people. If the number of people is  $700$ . How many kilograms of vegetables will be required?  
a)  $150 \text{ kg}$                       b)  $100 \text{ kg}$                       c)  $140 \text{ kg}$                       d)  $120 \text{ kg}$

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

11. The area of a circle is  $\pi \text{cm}^2$ . Its diameter is \_\_\_\_\_.
12. A right angle \_\_\_\_\_ exactly.
13.  $7 \times \underline{\hspace{2cm}} = 0.49$
14.  $8.03 + 8.033 + 8.3 = \underline{\hspace{2cm}}$ .
15. Fill in with ( $<$ ,  $>$ , or  $=$ )  $54.31$  \_\_\_\_\_  $54.3$

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

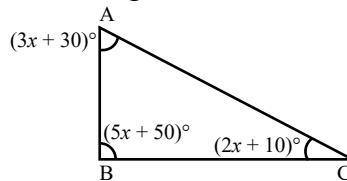
16.  $x, y, z$  =  $\frac{22}{7}$   
17.  $1^3$  =  $4a$   
18.  $a + 3a$  =  $360^\circ$   
19.  $\pi$  =  $1$   
20. Central angle = Variable

**IV. Do as divided: (Any 10)****10 x 2 = 20**

21. Do the addition on the number line:  $(-8) + (+7)$   
22. Use distributive property to find the product:  $99 \times 63$   
23. Express this fraction as a decimal:  $\frac{13}{25}$   
24. Find the sum of: ₹28.75 + ₹50.25  
25. Find the product:  $0.07 \times 5$   
26. Find the value of  $a^3 - b^3$ , when  $a = 3, b = 2$   
27. Solve:  $7x + 28 = 5x + 30$   
28. The angles of  $\triangle ABC$  are in the ratio 5 : 6 : 7. Find the angles of the triangles.  
29. Find the area of the circle whose diameter is 21cm. (Take  $\pi = \frac{22}{7}$ )  
30. Write 2 equivalent ratios for 3 : 4  
31. Divide 56 students in the ratio of 2 : 5  
32. Divide: a)  $94.66 \div 10$       b)  $0.0523 \div 1000$   
33. Find the quotient: a)  $(-56) \div (+7)$       b)  $(+57) \div (+19)$

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

34. In a card game consisting of 30 cards, 8 cards are marked negative and the remaining cards are marked positive. If there are 4 such sets of cards. How many positive and negative cards are left?  
35. a) Find the decimal form of the fraction  $65 + \frac{2}{10} + \frac{9}{1000}$   
b) Arrange the numbers in descending order 18.73, 18.735, 18.073, 18.703, 18.307, 18.753, 18.37.  
36. If the sum of three consecutive numbers is 72. What is the largest number?  
37. a) Find the measures of all the angles of  $\triangle ABC$  in the given.



- b) In  $\triangle ABC$ ,  $\angle A$  and  $\angle B$  are respectively  $46^\circ$  and  $120^\circ$ . Find the measure of  $\angle C$ .  
38. The length and width of a rectangle are 7cm and  $(x - 8)$  cm respectively. Find the value of  $x$  if the area of the rectangle is  $42 \text{ cm}^2$ .