

SUMMATIVE ASSESSMENT - I - 2016-2017
MATHEMATICS
(English Version)
PART - A & B

Class : VII

(Max. Marks : 80)

[Time : 2.45Hrs.]

Marks : 60

Part - A

Instructions:

1. 15 minutes of time is allotted for reading the question paper.
2. Answer ALL questions.
3. Answer for questions under Part-A should be written in a separate answer book.
4. There is internal choice for questions in Section-III, Part-A.

SECTION - I**Note:**

- (i) Answer all questions.
- (ii) Each question carries 2 marks. 4 x 2 = 8 Marks

1. Write the following integers in descending order.
10, -6, 20, -84, -2.
2. Express '-8' as the sum of a negative integer and a whole number.
3. Expand : 1234.56
4. In a triangle, the angles are $2x^\circ$, $(x+30)^\circ$, $(x-10)^\circ$. Find the angles?

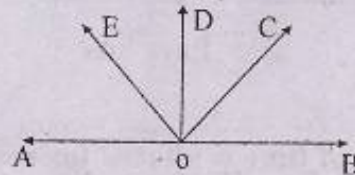
SECTION - II**Note:**

- (i) Answer all questions.
- (ii) Each question carries 4 marks. 5 x 4 = 20 Marks

5. Sum of three consecutive integers is '18'. Find the integers.
6. The equal sides of an isosceles triangle 3.5 cm each and the other side is 2.5 cm. What is the perimeter of the triangle?

[Turn Over...]

7. Verify the following:
 $20 \times [8 + (-2)] = [20 \times 8] + [20 \times (-2)]$
8. Name all the possible angles that you find in the figure. Classify them into acute, obtuse, right and straight angles



9. Solve the following riddle:
 I am a number
 Tell my identity
 Take me two times over
 And add a thirty six
 To reach a century
 You still need four.

SECTION - III

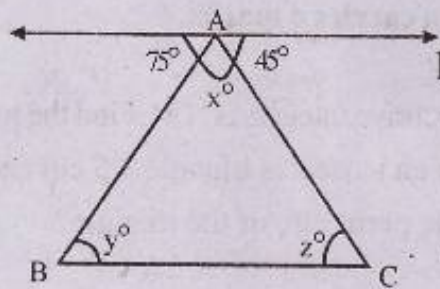
Note:

1. Answer all the questions.
2. Choose any one from each question.
3. Each question carries 8 marks. 4 x 8 = 32 Marks

10. (a) In $\triangle ABC$ $\angle A = 3\angle B$, $\angle C = 2\angle B$. Find the three angles of $\triangle ABC$.

(OR)

- (b) Find the measures of x , y and z in the figure. Where $l \parallel BC$.



[Contd...3

11. (a) Simplify the following :

(i) $2\frac{2}{3} + 3\frac{1}{4}$

(ii) $1\frac{4}{9} + \frac{3}{7}$

(iii) $\frac{5}{6} \times 4\frac{2}{7}$

(iv) $3\frac{2}{5} \div \frac{5}{9}$

(OR)

(b) Total number of boys and girls in a class is 52. If the number of girls is 10 more than that of boys, find the number of boys.

12. (a) Show that the sum of exterior angles of ΔABC is 360° .

(OR)

(b) In a class test containing 10 questions, 3 marks are awarded for every correct answer and (-1) mark is for every incorrect answer and '0' for question not attempted.

(i) Kiran gets 5 correct and 5 incorrect answers. What is his score?

(ii) Ramya gets 7 correct and 3 incorrect answers. What is her score?

13. (a) Represent the following on the numberline:

(i) $8 - (-7)$

(ii) $5 + 7$

(iii) $4x(-3) = -12$

(iv) $(-2) - (-1)$

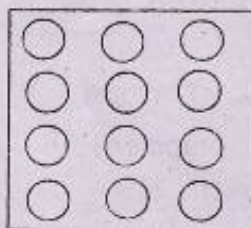
(OR)

(b) Shade : (i) $\frac{3}{4}$ of the circles in box (a)

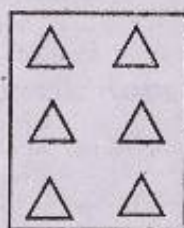
(ii) $\frac{1}{3}$ of the triangles in box (b)

(iii) $\frac{2}{5}$ of the rectangles in box (c)

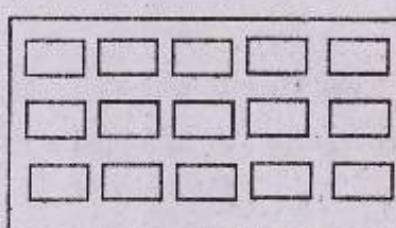
(iv) $\frac{1}{4}$ of the squares in box (d)



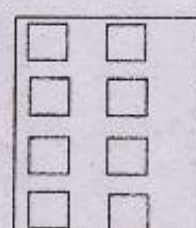
(a)



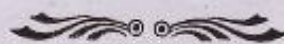
(b)



(c)



(d)



Regd. No. :

45-A

Marks :

SUMMATIVE ASSESSMENT - I - 2016-2017

MATHEMATICS

(English Version)

PART - A & B

Class : VII

(Marks : 20)

Name of the Student : Roll No:

	AS-1					AS-2					AS-3				AS-4		AS-5				Total	Grade			
Q.No	1	5	6	10	11	14	2	7	12	20	21	3	8	22	23	4	9	24	12	30			31	32	33
Marks																									
Total																									

Marks : 20

Part - B

Instructions:

1. Answer all the questions in Part-B.
2. Each question has 4 options. Write the capital letter indicating the answer in the given brackets.
3. Marks are not awarded for over writing answers.
4. All questions carry equal marks.

SECTION - IV

Instructions:

1. Answer all the questions.
2. Each question carries 1 mark.

20 x 1 = 20 Marks

14. The supplementary angle of 70° is []
 A) 20° B) 110° C) 290° D) 70°
15. $(-12) \times (-11) \times 0 =$ []
 A) -12 B) -11 C) 132 D) 0
16. Which of the following is an equivalent fraction of $\frac{4}{7}$ []
 A) $\frac{8}{14}$ B) $\frac{12}{21}$ C) $\frac{16}{28}$ D) A, B and C

[Turn Over...

45-A

17. The integral part of 12714.26 is []
 A) 12714 B) 0.2 C) 0.26 D) 12714.26

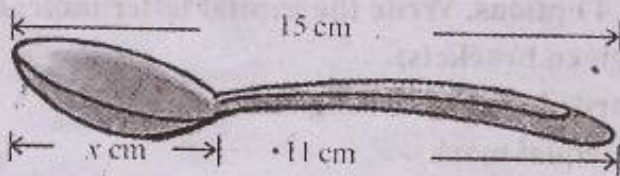
18. If $X + 9 = 15$ then 'X' []
 A) 6 B) 24 C) 135 D) $\frac{5}{3}$

19. In ΔXYZ , $\angle X = 30^\circ$, $\angle y = 45^\circ$ then find $\angle Z =$ []
 A) 75° B) 15° C) 95° D) 105°

20. The smallest number in the following group is :2, -2, 3, 4, 0, -5 []
 A) -2 B) -5 C) 0 D) 3

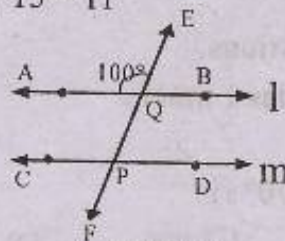
21. Statement-I : Product of two Integers is always an Integer
 Statement-II: Any Integer multiplied by '0' is zero
 Statement-III: Integers are closed under division []
 A) Statements I, II, III are true
 B) Statements I, II are true and III is false
 C) Statements I, III are true and II is false
 D) Statements I, II, III are false

22. The correct equation form for the following figure is []



A) $X + 11 = 15$ B) $X + 26 = 0$
 C) $X - 15 = 0$ D) $X + 15 = 11$

23. In the figure, $l \parallel m$
 $\angle AQE = 100^\circ$ then,
 $\angle PQB =$



A) 100° B) 80° C) 260° D) 0°

24. The side of a square is x metres and the perimeter is 28metres. Then find 'x'
 A) 6cm B) 6m C) 7m D) 7cm []

25. The angle cannot be formed by an opened a scissor []
 A) Acute angle B) Obtuse angle
 C) Right angle D) Straight angle

45-A

26. Which of the following statements represent parallel lines []
 A) Opposite edges of a blackboard B) Adjacent edges of a door
 C) 2 rails of a railway track D) A and C

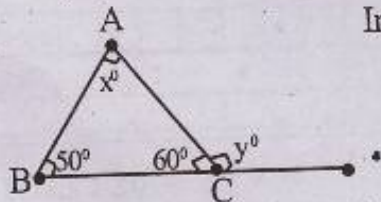
27. In a class of 20 students, 10 students present on Saturday, then the percent age of attendance on Saturday is? []

- A) 30 % B) 40 % C) 50 % D) 60 %

28. A purse contains Rs.100 in the denomination of Rs.10, Rs.50 notes. Number of Rs.10 notes is 4 more than that fo Rs.50 notes. Then the number of Rs.10, Rs.50 notes are respectively. []

- A) 4,2 B) 5, 2 C) 4,1 D) 5,1

29. In the given figure, the value of $x + y$ is []



- A) 120° B) 190° C) 110° D) 180°

30. Which of the following is a symbol of a 'Ray' []

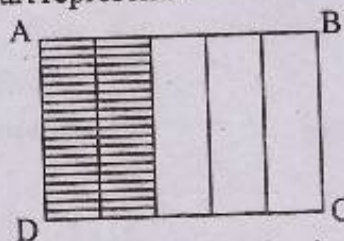
- A) \longleftrightarrow B) --- C) --- D) \cdot

31. Which of the following is an acute angle. []

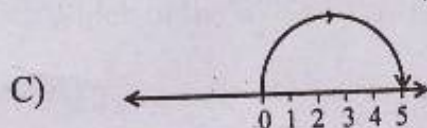
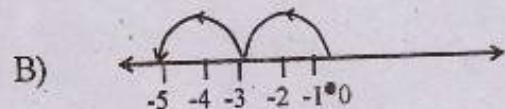
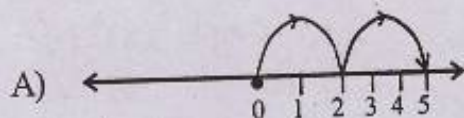
- A) B) C) D) A, B and C

32. In the figure ABCD, the shaded part represents. []

- A) $\frac{1}{5}$ B) $\frac{2}{5}$
 C) $\frac{3}{5}$ D) $\frac{4}{5}$



33. The correct representaion for $2 + 3 = 5$ on a numberline is []



- D) A and C

