S-37-A

MIDTERM EXAMINATIONS (2018 - 19)

MATHEMATICS

(English Medium)

PART - A & B

Class : VII **(Max. Marks : 80)** **Time : 2.45 Hrs.**

Instructions :

1. **In the time duration of 2 hrs 45 min. 15 minutes is exclusively allotted to read and understand the question paper.**
2. **The question paper comprises of Three Sections I, II, III.**
3. **All questions are compulsory.**
4. **There is no overall choice. However there is an internal choice to the questions under Section-III.**

Marks : 60 **PART-A** **Time : 2 Hrs.**

Section - I

Note : 1. Answer all the questions.

2. Each question carries 2 Marks. $4 \times 2 = 8$

1. Find the product of $(-3) \times (-6) \times (-2) \times (-1) = ?$
2. Which one is greater in 0.7 or 0.07 ?
3. If we add 7 to twice a number. We get 49. Find the number ?
4. Find the complementary angle of 25°.

Section - II

Note : 1. Answer all the questions.

2. Each question carries 4 Marks. $5 \times 4 = 20$

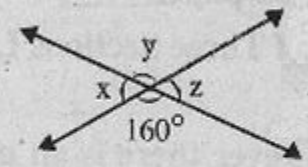
5. At Ahmeds birthday party. $\frac{5}{7}$ Part of the total cake was distributed. Find how much cake is left.

6. 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.

7. Verify the following :

$18 \times [7 + (-3)] = [18 \times 7] + [18 \times (-3)]$

8. Find the measure of x, y and z.



9. A rain fall of 0.896 cm was recorded in 7 hours, what was the average amount of rain per hour.

Section - III

Note : 1. Answer all the questions.

2. Choose any one from each question.

3. Each question carries 8 Marks. **$4 \times 8 = 32$**

10. a) Simplify the following.

i) $2\frac{2}{3} + 3\frac{1}{4}$ ii) $\frac{5}{8} - \frac{1}{6}$ iii) $\frac{2}{9} \times 0$ iv) $\frac{4}{9} \div \frac{4}{5}$

(OR)

b) Sri Nagar, the temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight.

i) What time would the temperature be 8°C below zero ?

ii) What would be the temperature at midnight ?

11. a) Solve $3x + 5 = 5x - 11$

b) Solve the following.

i) 0.9×10 ii) 0.9×100 iii) 0.9×1000 iv) 0.09×100

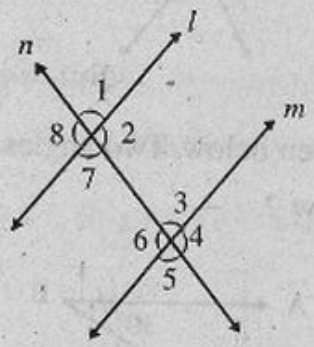
12. a) In a class test containing 10 questions, '3' marks are awarded for every correct answer and (–1) marks is for every incorrect answer and '0' for question not attempted.

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

ii) Reshma gets 7 correct answers. What is her score ?

(OR)

b) In the adjacent figure, the lines 'l' and 'm' are parallel and 'n' is transversal. Fill in the blanks for all situations given below.



i) If $\angle 1 = 80°$ then $\angle 2$ = ...

ii) If $\angle 3 = 45°$ then $\angle 7$ = ...

iii) If $\angle 2 = 90°$ then $\angle 8$ = ...

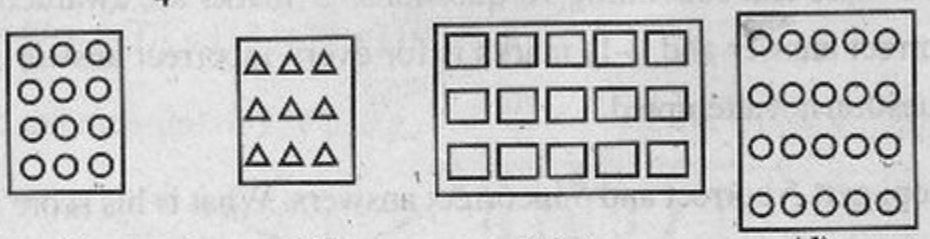
iv) If $\angle 4 = 100°$ then $\angle 6$ = ...

13. a) Shade i) $\frac{1}{2}$ of the circles in box (a)

ii) $\frac{2}{3}$ of the triangles in box (b)

iii) $\frac{3}{5}$ of the rectangles in box (c)

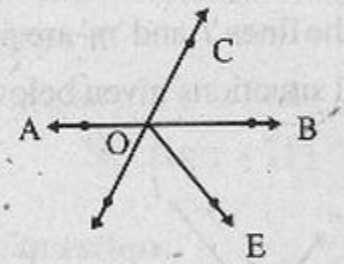
iv) $\frac{3}{4}$ of the circles in box (d)



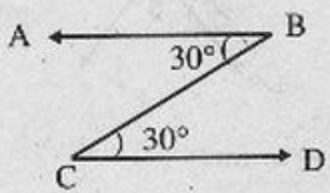
(a) (b) (c) (d)

(OR)

b) i) Name two pairs of vertically opposite angles in the figure.



ii) In the figure given below. Two angles are marks as 30° each. Is AB//CD? How ?



Regd. No. | S-37-B | Marks :

MIDTERM EXAMINATIONS (2018 - 19)

MATHEMATICS

(English Medium)

Part - B

Class : VII] **(Marks : 20)** **Time : 30 min.**

Academic Standards	A.S.–1						A.S.–2				A.S.–3			A.S.–4			A.S.–5		Total	Grade
Question No.	1	5	6	10	11	14 to 19	2	7	12	20 21	3	8	22 23	4	9	24 to 29	13	30 to 33		
Marks																				
Total		-																		

Name of the Student : ..... **Roll No.:** .....

Instructions :

1. **Each question carries equal marks.**
2. **Each question has 4 option. Write the capital letters indicating the answer in the given bracket.**
3. **Marks are not awarded for over writing answers.**

Section –IV

Note : 1. Answer all the questions.

2. Each question carries 1 mark. **$20 \times 1 = 20$**

14. Zero is [ ]

A) Positive B) Negative

C) Either positive or negative D) Neither positive or Negative

15. $2\frac{3}{4}$ is actually equal to [ ]

A) $2 \times \frac{3}{4}$ B) $2 + \frac{3}{4}$ C) $2 + \frac{3}{4}$ D) $2 - \frac{3}{4}$

16. The solution of $2 + y = 7$ is $y =$ [ ]

A) 3 B) 4 C) 5 D) 6

P.T.O

17. Which of the following pair is supplementary [ ]

A) 20°, 70° B) 30°, 70° C) 120°, 90° D) 65°, 115°

18. $\frac{375}{1000}$ in its simplest form ..... [ ]

A) 0.375 B) 37.5 C) 3.75 D) 375

19. a ÷ 0 is [ ]

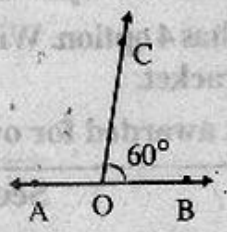
A) 0 B) a C) 1 D) Not defined

20. $\frac{Z}{8} = 3$ is satisfied by Z = ... [ ]

A) $\frac{3}{8}$ B) 24 C) $\frac{8}{8}$ D) 11

21. In the figure $\angle BOC = 60°$,

$\angle AOC$ = ... [ ]



A) 90° B) 30°

C) 120° D) 60°

22. The angle at the corner of a black board is [ ]

A) 0° B) 90° C) 180° D) 360°

23.  This figure represents the fraction [ ]

A) $\frac{1}{4}$ B) $\frac{1}{5}$ C) $\frac{3}{4}$ D) We can't say

24. Product of 100 negative integers is ..... [ ]

A) Zero B) Nagative

C) Positive D) Can't say

25. The product of a fraction and its reciprocal is [ ]

A) 1 B) 0 C) not defined D) 2

26. $\frac{7}{4}, \frac{7}{8}, \frac{7}{3}$ in descending order. [ ]

A) $\frac{7}{3}, \frac{7}{4}, \frac{7}{8}$ B) $\frac{7}{8}, \frac{7}{4}, \frac{7}{3}$

C) $\frac{7}{4}, \frac{7}{3}, \frac{7}{8}$ D) $\frac{7}{8}, \frac{7}{3}, \frac{7}{4}$

27. Which of the following statements represent parallel lines [ ]

A) Opposite edges of a blackboard

B) Adjascent edges of a door

C) Track of trains

D) A and C

28. $a \times 1 = 1 \times a = a$ indicates [ ]

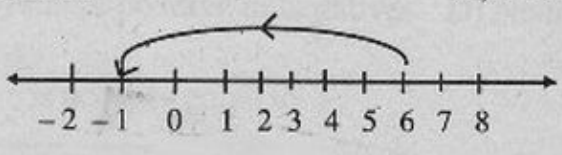
A) Commutative law B) Multiplicative Identity

C) Additive Identity D) None of these

29. The side of squares is x metre and the perimeter is 28 meters then find 'x'

A) 6 cm B) 6 m [ ]

C) 7 m D) 7 cm

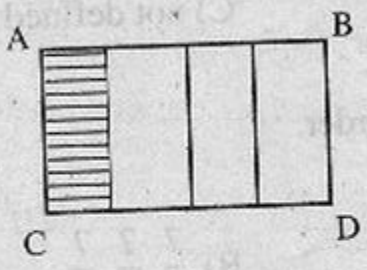
30. 

This figure shows [ ]

A) $6 - 1 = 5$ B) $6 + (-7) = -1$

C) $-6 + 7 = 1$ D) $-1 < 6$

31. In the figure ABCD, the standard part represents [ ]

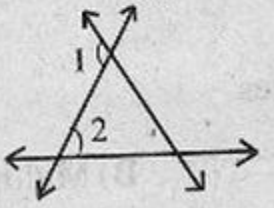


A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) $\frac{3}{4}$ D) $\frac{1}{3}$

32. Which of the following lines are not intersecting. [ ]

A)  B)  C)  D) B and C

33. Name the pairs of angles in each figure by their property [ ]



A) Interior alternative angles B) Corresponding angles

C) Exterior alternative angles D) Co-interior angles