

DISTRICT COMMON EXAMINATION BOARD - JOGULAMBA GADWAL  
SUMMATIVE ASSESSMENT - I - 2022 - 2023

MATHEMATICS  
(English Medium)  
PART - A & B

Class : VII ]

(Max. Marks : 80)

[ Time : 2.45 Mts.

- Instructions :
- 1) Question paper consists of three sections I, II, III.
  - 2) Solve all the problems.
  - 3) Internal choice is given in Section - III only.
  - 4) Solve problems to the questions of Part - B in the brackets of same sheet and attach it to be main answer sheet Part - A.
  - 5) Read the question paper thoroughly for the first 15 minutes and write answers in 2.30 hrs.

Marks : 70 ]

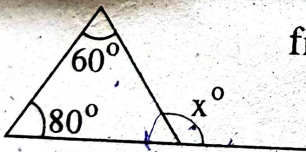
PART - A

[ Time : 2 Hrs.

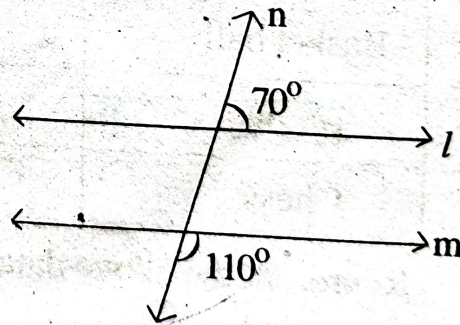
SECTION - I

- Note :
- 1) Solve all the problems.
  - 2) Each problem carries 2 marks.

7 x 2 = 14

1.  find the value of  $x$  ?

2. In a figure  $l$  and  $m$  are intersected by a transversal ' $n$ '. Is  $l \parallel m$  ? Give reason.



3. What are the complementary angles ? Express by any one figure.
4. Write the place value of 7 in the following decimal numbers.  
i) 3.76      ii) 55.67
5. Find the ratio of 5 kg and 750 gm. Express it in the simplest form ?
6. Find the area of a rectangle whose length is 6.8cm and breadth is 5 cm ?
7. Draw the pictures of right angle triangle and isosceles triangle ?

[ Turn Over



## SECTION - II

Note : i) Solve all the problems.

ii) Each problem carries 4 marks.

6 x 4 = 24

8. Find the value of  $3\frac{4}{7} - 5\frac{1}{8}$ .

9. Is it possible to have a triangle with sides 3cm, 4cm, 6cm ? Give reasons.

10. Express the following in the form of equations.

i) One fourth of a number is 20.

ii) The sum of two numbers is - 10.

11. Find the median of the following data.

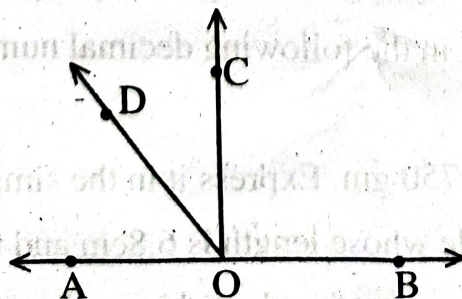
4, 10, 7, 12, 19, 16

12. Here you have some data about the favorite sport of the children.

Favorite sport	No. of children
Kabaddi	8
Kho-Kho	11
Basket ball	14
Tennis	5
Chess	6

Represent the above data in the form of a bar graph.

13. Name all the possible angles you can find in the following figure.





### SECTION - III

4 x 8 = 32

Note :

- i) Solve all the problems.
- ii) Each problem carries 8 marks
- iii) There is an internal choice for each problem.

14. a) Solve the equation  $3 + x = 8$  by trial and error method.

(Or)

b) Vijaya went to the market to buy vegetables. She brought 3kg250gm brinjals, 6kg350gm lady fingers, 500gm tomatoes and 150gm green chillies. How much weight did Vijaya carry back to her house ?

15. a) Chandana told that the product of  $\frac{2}{5}$  and  $\frac{3}{7}$ , is greater than the sum of  $\frac{6}{7}$  and  $\frac{3}{4}$ . Is it right ? Give some reasons.

(Or)

b) Shailaja told that subtraction is commutative for integers. Do you agree with Shailaja ? Prove it with an example ?

16. a) The angles of a triangle are in the ratio 2 : 3 : 5. Then find the angles ?

(Or)

b) The marks in formative assessment - I obtained by Raju in all subjects are given in the table.

Subject	Telugu	Hindi	English	Maths	Science	Social
Marks	18	13	14	17	19	15

Calculate the average marks obtained in FA - I by Raju.

17. a) Represent the following on the separate number lines.

- i)  $3 + (-5)$       ii)  $7 + 4$       iii)  $-6 + (-3)$       iv)  $3 \times 4$

(Or)

b) A shopkeeper bought a TV for ₹ 6000 and he sold it for ₹ 7500. Find the profit or loss ? Calculate percentage ?



Regd. No. :

**G - 45 (A)**

Marks :

**DISTRICT COMMON EXAMINATION BOARD - JOGULAMBA GADWAL  
SUMMATIVE ASSESSMENT - I - 2022 - 2023**

**MATHEMATICS**

**(English Medium)**

**PART - B**

**Class : VII ]**

**(Marks : 10)**

**[ Time : 30 mts.**

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

- Note :**
- 1) Solve all the following problems.
  - 2) Each problem carries 1 mark.
  - 3) Answers are to be written in it only.
  - 4) Marks will not be awarded in case of any overwriting rewriting.

**10 x 1 = 10**

18. Which of the following is in increasing order [ ]

A) 0, 1, - 1

B) - 1, - 2, - 3

C) - 1, 0, 1

D) - 1, 1, - 2

19.  $\frac{2}{3} + \frac{1}{3} + \frac{7}{3} = \underline{\hspace{2cm}}$  [ ]

A)  $\frac{10}{3}$

B)  $\frac{30}{3}$

C)  $\frac{9}{3}$

D)  $\frac{10}{27}$

20. The mean of the first five natural numbers is [ ]

A) 2

B) 5

C) 3

D) 4

21. Which is a solution of the equation  $7x = 56$  [ ]

A) 7

B) 8

C) 5

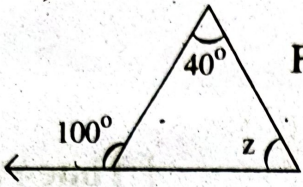
D) 9

**[ Turn Over**



22. What is the supplement of  $105^\circ$  [ ]

- A)  $80^\circ$  B)  $100^\circ$   
 C)  $75^\circ$  D)  $60^\circ$

23.  Find the value of  $z$  [ ]

- A)  $40^\circ$  B)  $60^\circ$   
 C)  $50^\circ$  D)  $100^\circ$

24.  [ ]

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

25. The mode of the given set of numbers [ ]

3, 2, 5, 2, 3, 2, 7, 8

- A) 2 B) 3  
 C) 5 D) 8

26. The value of  $7 - (-3)$  is [ ]

- A) 7 B) -3  
 C) 10 D) 4

27. At Dayakar's birthday party,  $\frac{4}{7}$  part of the total cake was distributed. Find how much cake is left [ ]

- A)  $\frac{2}{7}$  B)  $\frac{3}{7}$   
 C)  $\frac{5}{7}$  D)  $\frac{1}{7}$