D - 64

CONTINUOUS & COMPREHENSIVE EVALUATION
SUMMATIVE ASSESSMENT - I - NOVEMBER 2022
MATHEMATICS
(English Version)
PART - A & B
(Max. Marks: 80)

VII Class]   **[Time: 2:45 Hrs.**

Marks : 70]   **PART - A**   **[Time: 2.15 Hrs.**

General Instructions :

     i) *Read the following question paper and understand every question thoroughly without writing anything. 15 minutes time is allotted for this.*

     ii) *Answer all the questions from the given four sections.*

     iii) *Write answers to the objective type questions (Section - IV) on the question paper itself.*

     iv) *In Section - III, every question has an internal choice. Answer any one alternative.*
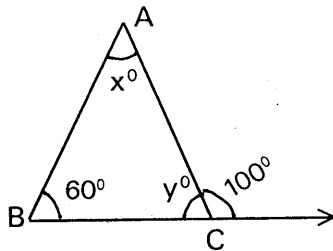
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Section - I

Note: i) **Answer all the questions.**

       ii) **Each question carries 2 marks.**   **7x2=14**

1. Compute : $4\frac{3}{4} - 3\frac{1}{4}$.

2. Find x^0 and y^0 in the following figure.

3. Find the mean of first 5 prime numbers.

4. Raju says "supplementary angle of 102^0 is 78^0." Do you agree with him ? Give reasons.

5. What is the ratio of Rs. 4, and Rs. 14.

6. Solve : $2x + 1 = 7$.

7. Represent 5, −3, −1, 3 on a number line.

[Turn Over

Section - II

Note: **1) Answer all the questions.**

        2) Each question carries 4 marks.   **6x4=24**

8.   Keerthi solved $\dfrac{2}{3}$ part of an exercise while Shivani solved $\dfrac{3}{5}$ part of it. Who solved lesser part ? Give reasons.

9.   The angles of a triangle are in the ratio 2:3:4. Find the angles.

10.   Solve : $2(3x-4) = 2(2x + 3)$.

11.   One angle of $\triangle$ ABC is 40^0 and the other two angles are equal. Find the measure of other two angles.

12.   In what time will Rs. 3500 amounts to Rs. 4200 if simple interest is calculated at 10% per annum ?

13.   The monthly incomes of 7 persons are Rs. 8000, Rs. 6000, Rs. 10000 Rs. 12000, Rs. 9000, Rs. 15000 and Rs. 3000. Find their mean income.
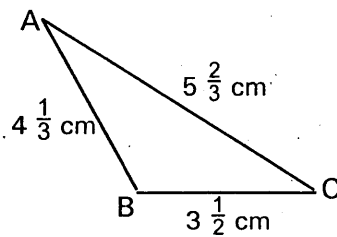
Section - III

Note: **i) Internal choice is given for each question. Answer any one alternative.**

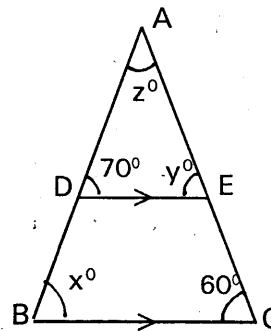   **ii) Each question carries 8 marks.**   **4x8=32**

14.   A) Find the perimeter of the adjacent figure.

(OR)

B) In the adjacent figure, $\overline{DE} \parallel \overline{BC}$, $\angle ADE = 70^0$ and $\angle C = 60^0$, find the values of x^0, y^0 and z^0.

15. A) The length of a rectangle is 4 meters more than twice its breadth. If the perimeter of the rectangle is 128 meters, find its length and breadth.

(OR)

B) In a class, the number of boys is 8 less than that of girls. If the total number of boys and girls of that class is 56, find the number of boys and the number of girls.

16. A) A man sold two T.V's for Rs. 6000 each, gaining 20% on one and losing 20% on the other. On the whole, what will he incur ? Profit or loss ? Give reasons.

(OR)

B) Can a triangle have sides with lengths 7 cm, 5 cm and 9 cm ? Give reasons.

17. A) Draw your house diagram. In that diagram identify a point, a ray, a line segment and a line.

(OR)

B) The following table shows the number of bicycles manufactured in a factory during first six months. Draw a bar graph for the data.

Month	Number of bicycles manufactured
1st month	300
2nd month	350
3rd month	280
4th month	460
5th month	500
6th month	620

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CONTINUOUS & COMPREHENSIVE EVALUATION
SUMMATIVE ASSESSMENT - I - NOVEMBER 2022
MATHEMATICS
(English Version)
Part - B

VII Class]　　　　　(Marks : 10)　　　[Time: ½ Hr.

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

Section - IV

Instructions :

i) *Four answers are given for each question.*

ii) *Choose the correct answer and write its alphabet in the bracket*

   provided.

iii) *Each question carries 1 mark.*　　　　　　**10x1=10**

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1.　$\frac{1}{4}$ of 24 value is -------　　　　　　　[　　]

　　　A) 8　　　　　　B) 6

　　　C) 4　　　　　　D) 9

2.　$\angle A$ and $\angle B$ are two complementary angles. If

　　$\angle A = 30^0$, then $\angle B$ value is -------　　　[　　]

　　　A) 70^0　　　　　B) 20^0

　　　C) 60^0　　　　　D) 50^0

[Turn Over

3. 1825 ÷ 1000 value is -----   [   ].

   A) 1.825   B) 182.5

   C) 18.25   D) 0.1825

4. $3 + \dfrac{5}{8}$ value is --------   [   ]

   A) $\dfrac{15}{8}$ B) $\dfrac{29}{8}$

   C) $\dfrac{24}{8}$ D) $\dfrac{19}{8}$

5. If $3x = 21$, then 'x' value is -----   [   ]

   A) 6   B) 63

   C) 7   D) 12

6. Two angles in a triangle are 65^0 and 46^0. Its third

   angle in that is --------.   [   ]

   A) 69^0 B) 48^0

   C) 79^0 D) 81^0

7. Mode of 2, 3, 7, 5, 8, 3 is -----   [   ]

   A) 2   B) 5

   C) 7   D) 3

8. If $\triangle ABC \cong \triangle EFG$, then corresponding side to AB

   is -----------   [   ]

   A) FG   B) EF

   C) EG   D) None

9.   If 2:3 = x:6, then 'x' value is ----------   [   ]

      A) 4   B) 9

      C) 7   D) 5

10.   40% of 120 value is --------   [   ]

      A) 30   B) 48

      C) 160   D) 60

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