

M - 46

SUMMATIVE ASSESSMENT - I - DECEMBER 2021

**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) Answer all the questions in separate answer sheet.
- ii) 15 minutes time is allotted to read the question paper thoroughly and 2.30 hrs. to writing answers.
- iii) In Section - III, every question has an internal choice, answer any one alternative.
- iv) Write answers to the multiple choice questions (Section - IV) in the answer booklet only.

* * *

Section - I

Note: i) Answer all the questions.

ii) Each question carries 2 marks.

7x2=14

1. Represent $\frac{3}{5}$ on number line.
2. Solve the equation $3x + 4 = 19$.
3. Find the product $\frac{2}{3} \times \frac{4}{5}$.
4. Find the reciprocal of $\frac{13}{7}$.
5. Write the following integers in descending order 10, -6, 20, -84, -2.

6. Find the complementary angle of 25° .
7. Find the number when multiplied by 7 and then reduced by 3, is equal to 53.

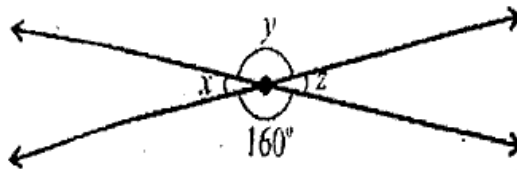
Section - II

Note: i) Answer all the questions.

ii) Each question carries 4 marks.

6x4=24

8. Find the measure of x , y and ' z ' from the figure.



9. Sum of three consecutive integers is 24. Find the integers.
10. Solve the problem 4.3×3.4 .
11. Arrange the given fractions ascending order $\frac{2}{5}$, $\frac{1}{3}$, $\frac{3}{10}$.
12. Solve the equation $3(x-3) = 5(2x+1)$
13. Represent $5 \times (-3)$ on number line.

Section - III

Note: i) Answer all the questions.

ii) Each question carries 8 marks.

4x8=32

14. A) The present age of Ramu's father is three times that of Ramu. After five years the sum of their ages will be 70 years. Find their present ages.

(OR)

- B) A cement company earn a profit of Rs. 9 per bag of white cement sold and loss of Rs. 5 per bag grey cement sold. If the company sells 7000 bags of white cement and 6000 bags of grey cement in a month. What is its profit or loss? How much.

[Contd..on 3rd page

15. A) Represent the following on a number line.

i) $5 + 7$

ii) $5 + (-2)$

iii) $8 - 7$

iv) $5 + (-7)$

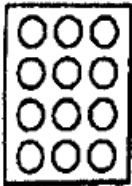
(OR)

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

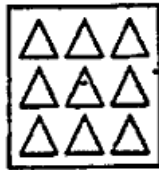
ii) $\frac{2}{3}$ of the triangles in box (b)

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

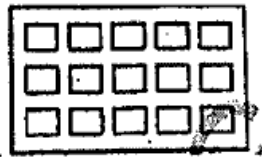
iv) $\frac{3}{4}$ of the circles in box (d)



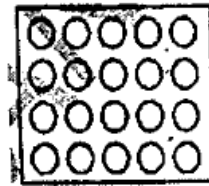
(a)



(b)



(c)



(d)

16. A) Simplify the following. <https://www.telanganaboard.com>

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

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

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

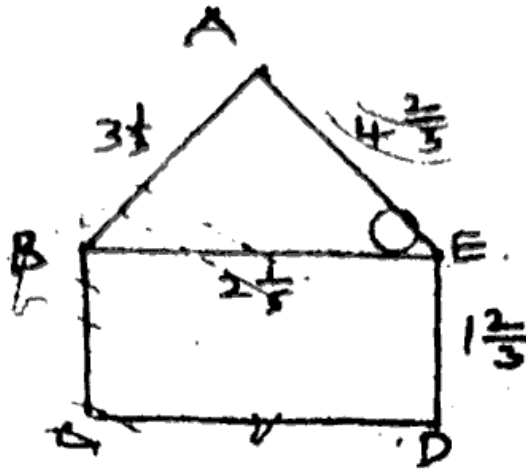
iv) $3\frac{2}{5} \div \frac{5}{9}$

(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.

[Turn Over]

17. A) Find the perimeter of (i) ΔABC (ii) The rectangle BCDE in this figure. Which figure has greater perimeter and how much ?



(OR)

- B) Solve the following riddle.

I am a number

Tell my identify

Take me two times over

And add a thirty six

To reach a century

You still, need four.