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 Second Term Test - 2025

32 E I

Grade 06

Mathematics

2 Hours

Name / Index No. :

Part - I

- Answer all the questions on this paper itself.
- Each question carries 2 marks.

01. A lending society had an amount of Rs. 100502800.

- Write this amount in the standard form.
- Write it in words.

02. Which multiple of 3 is 54 ?

03. $3 > \dots\dots\dots$ Select and underline the numbers suitable for the blank.

- 5
- 0
- 6
- 2

04. Write the following fractions in ascending order.

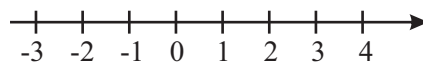
$$\frac{5}{10}, \frac{5}{6}, \frac{5}{8}$$

05. The time of a digital clock was recorded as 15: 25. Write this time in 12 hour clock.

06. Select and underline the answer that represents the correct way of writing $\frac{8}{100}$ as a decimal number.

- 0.8
- 0.08
- 8.0
- 0.80

07. Represent the smallest integer that lie between -2 and 3 on the following number line.

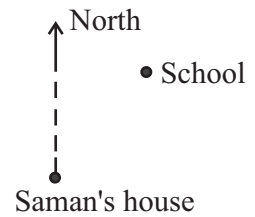


08. When the marks that Kamani received for mathematics at the first term test were rounded off to the nearest multiple of 10, the value obtained was 60. Write the value of maximum mark and minimum mark she could obtain respectively.

09. Simplify. 204×15

10. Write 12.07 in words.

11. In which direction, Saman's house is located from the school.



12. Fill in the blanks using the symbols $<$, $>$ or $=$

(i) $\frac{3}{6}$ $\frac{1}{2}$

(ii) $\frac{2}{7}$ $\frac{3}{8}$

13. The distance from Rusiru's house to school is 2 km 40 m. Write this distance in metres.

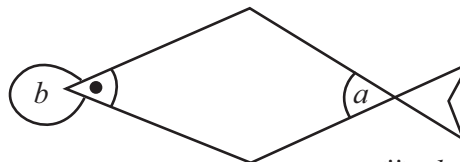
14. Fill in the blanks in the following sentence.

A plumb is used to determine whether a plane surface is and a spirit level is used to determine whether a plane surface is

15. Write the correct numbers suitable for the blank cages.

$$\begin{array}{r} \square 5 \\ \square \overline{) 455} \\ \underline{39} \\ 65 \\ \underline{65} \\ 0 \end{array}$$

16. Name the type of angle denoted by 'a' and 'b' in the following figure.



(i) $a \rightarrow$ angle

(ii) $b \rightarrow$ angle.

17. Simplify.

	Days	hours
	2	10
+	1	17
	<hr/>	
	<hr/>	

18. In the number 3467, Write the value represented by 4.

19. Put (✓) for the correct statements and (✗) for the incorrect statements.

(i) 2 is an even prime number.

☐

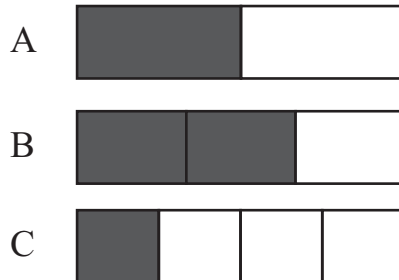
(ii) All the square numbers are composite numbers.

☐

20. The games of a sports meet started at 2.45 p.m. and ended at 3.25 p.m. Calculate the time taken for the games.

- Answer the first question and four other questions.
- First question carries 16 marks and other questions carry 11 marks.

01. (a)



The way in which three paper strips named as A, B, C have been divided in to equal parts and coloured several parts from it, is shown in the above.

- Indicate the coloured part as a fraction in the paper strips A, B and C respectively. (03 marks)
- Select and write the unit fractions among the fractions written in above part (i). (02marks)
- Write two equivalent fractions with the denominator less than 10, for the fraction which represents the shaded part in the paper strip B. (02marks)

(b)

$\frac{1}{3}$	$\frac{2}{9}$
$\frac{7}{10}$	$\frac{11}{20}$

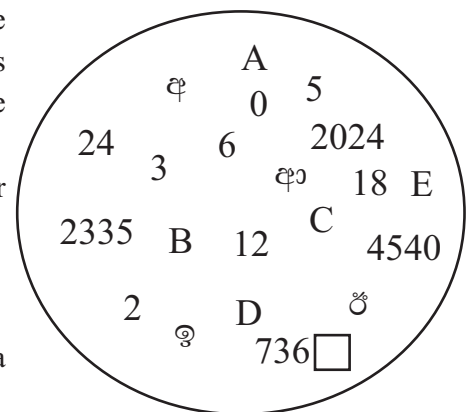
- Select two fractions with the denominator less than 10 from the fractions mentioned in the box and add them. (03 marks)
 - Select and write the larger fraction out of the fractions $\frac{7}{10}$ and $\frac{11}{20}$. (01 mark)
 - Subtract the small fraction from the large fraction in the above (ii). (03 marks)
- (c) There are 15 flowers in a flower vase. From it, 6 are red, 2 are yellow and rest are white.
- How many white flowers are there in the vase. (01 mark)
 - Write the number of white flowers as a fraction of total number of flowers in the vase. (01 mark)

02. (i) Among the items in this collection, separate the remaining items except the numbers in to two groups based on their common characteristics and name the groups. (04 marks)

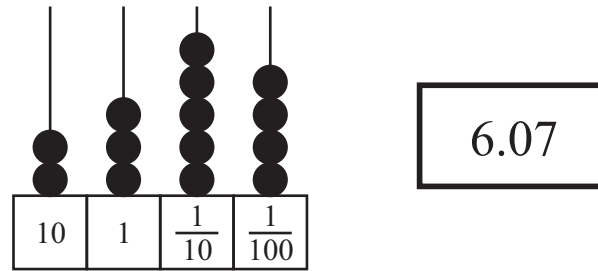
- Using only the numbers in this collection answer for the following questions.

- Write 4 multiples of 6. (02marks)
- Select and write 2 factors of 24, except 24. (02 marks)
- Write two numbers which are divisible by 5 without a remainder. (02marks)

- (v) The number 736 \square is divisible by both 2 and 5 without a remainder. Find the digit suitable for the blank cage. (01 mark)



03. (a)



- (i) Write the number represented by the abacus in digits. (02 marks)
- (ii) Represent 6.07 on an abacus. (02marks)
- (iii) Select and write the largest number among the above numbers represented in the abacus and the number given in numerals. (01 mark)

(b) Simplify.

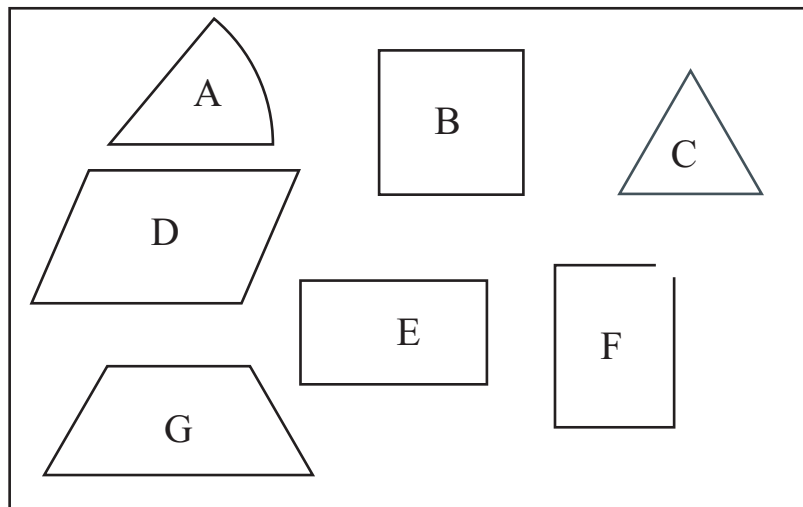
(i) $35.26 + 7.4$ (02 marks)

(ii) $70.8 - 6.27$ (02 marks)

(c) Copy the following into your answer sheet and fill in the blanks. (02 marks)

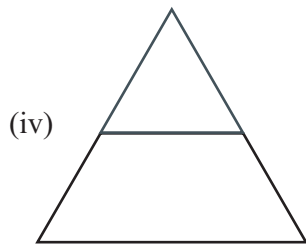
$$3.4\boxed{} = 3 + \frac{\boxed{}}{10} + \frac{7}{100}$$

04.



A, B, C, D, E, F, G are several open and closed plane figures. Answer the following questions using the above figures.

- (i) Write the letters of two figures which are not closed rectilinear plane figures. (02 marks)
- (ii) Write the letters of two closed plane figures with only right angles. (02 marks)
- (iii) Write the name of the plane figures denoted by the letters D and G respectively. (02 marks)



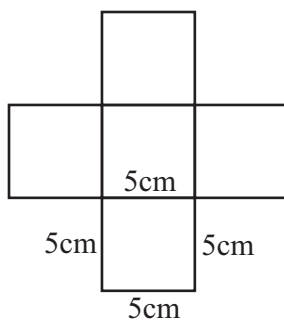
Write the letters of the plane figures used for this figure.

(02 marks)

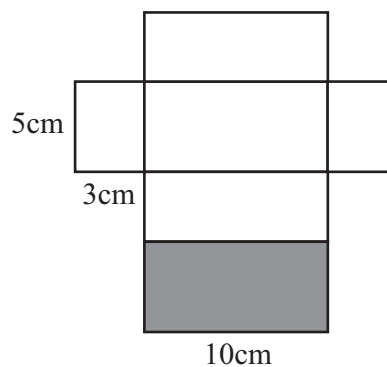
- (v) Write the name of the figure denoted by the letter B and find the length of a side of it, if its perimeter is 32 cm. (03 marks)

05.

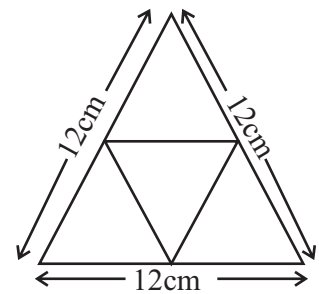
(a)



(b)



(c)



The above named as (a) ,(b), (c) are nets from which 3 solids can be made.

- (i) Copy the following table on to your answer sheet and using the above 3 nets fill in the blanks of it.

Net	Name of the solid can made	Number of edges	Number of vertices	Number of faces	Shape of a face
(a)	12	8
(b)	6	Rectangle
(c)	4	4

(09 marks)

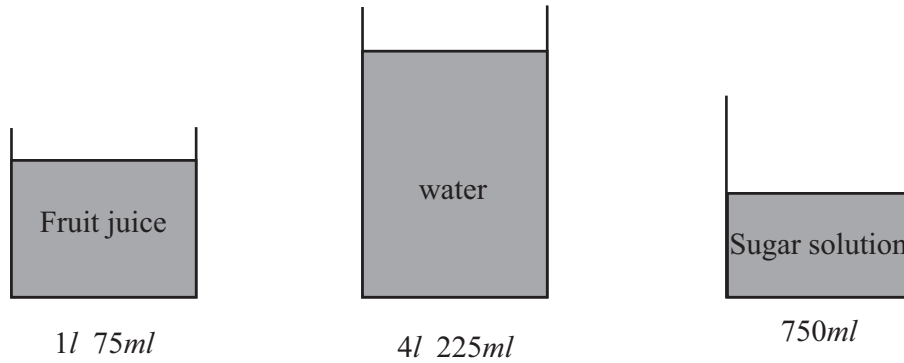
- (ii) Find the length of a side of the solid that can be made using the net (c).

(01 mark)

- (iii) Find the breadth of the shaded rectangle in the net (b).

(01mark)

06.



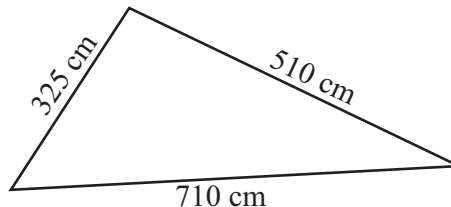
Pavithra prepares a fruit drink by mixing the above mentioned fruit juice, water and sugar solution, and pours 200 ml into each glass and sells each glass of the drink for Rs. 100.

- (i) Write the amount of fruit juice in milliliters. (01mark)
- (ii) Find how much more fruit juice than the sugar solution. (02marks)
- (iii) Find the total amount of fruit drink made by adding the amounts of solution in the above three containers. (02marks)
- (iv) Find how many glasses of drink will the total amount of fruit drink prepared above be enough for? (02marks)
- (v) On this day, she earns an income of Rs. 3 500. 00 from selling fruit drinks. How much fruit drinks to be re-prepared in addition to the amount of drinks prepared above to obtain this income? (04 marks)

07. (a) (i) Among the factors of 12, write two prime numbers. (02 marks)
- (ii) Write two square numbers between 50 and 100. (02marks)
- (iii) Find the digit suitable for the blank and write down which triangular number is it.
 $1 + 2 + 3 + 4 + 5 + 6 + 7 = \square$ (02 marks)
- (iv) $\square + \square = 25$

Find the two triangular numbers suitable for the blank cages and write it on your answer sheet. (02 marks)

(b)



Find the perimeter of this triangle and write it in metres and centimeters. (03marks)