Grade - 06	Third Term Test - 2024	32 | E | I,II
Index No.....	Mathematics	Time - 02 hours

Part I

- **Answer all Questions in the paper itself**
- **Correct answer for each question carries 2 marks.**

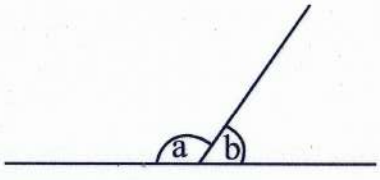
01. Find the value of 123+37

02. Simplify $\frac{3}{5} - \frac{3}{10}$

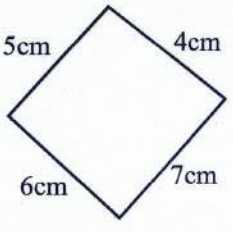
03. 4 is a factor of 20. Write another four factors of 20.

04. I) Name the type of the angle given by b.

ii) Which angle can be made by adding 'a' and 'b' .



05. Find the perimeter of the given figure

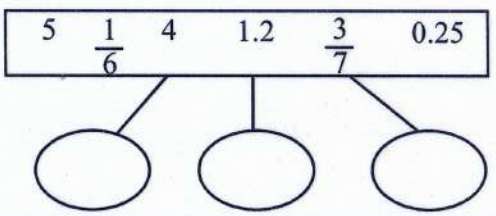


06. 120 seconds were given to a debater in a debate. Find the total time allocated for five members in that group. Express your answer in minutes.

07. Put '✓' infront of the true statement and '×' for the false statement.
In the number 4325
i) 2 is in the tens place.
ii) 4 represents 400
iii) The number represents by 3 is 60 times of the number represents 5

08. Which multiple of 10 is equal to the fifth multiple of 6?

09. Group in a suitable way



10. Fill in the empty boxes

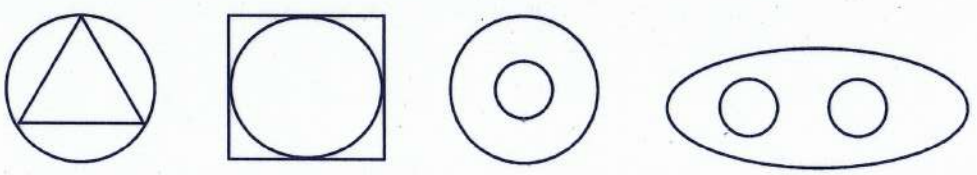
	l	*ml*
	3	245
+	☐	☐
	5	420

11. Fill in the blanks using the words given in the brackets.

A ..... is used to measure the ..... of a wall.
(Horizontality, Plumbline, verticality / Brick towel)

12. The distance to the school from Amandi's house is 5km and 200m. She walks 500m to the bus stop and the rest she travels by bus. how far does she has to travel by bus?

13. Select the figure contains only circles?



14. Write two equivalent ratios to 5 : 6

i. ..... ii. .....

15. The following represents the expanded form of the decimal number 2.34. Fill in the blanks.
$1 \times 2 + \frac{\cdots\cdots}{\cdots\cdots} \times 3 + \frac{\cdots\cdots}{\cdots\cdots} \times 4$

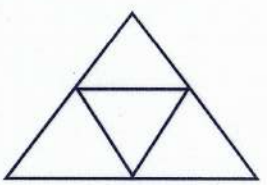
16. $\frac{2}{3}$ of a chocolate is given to the younger sister and $\frac{5}{9}$ of the chocolate to the elder sister, who got the bigger amount Explain with reasons.

17. In a pictogram  is used to represent 9 students. How many students were represented by 

18. Match A with B

A	B
6	Triangular numbers
7	
8	Composite numbers
9	
10	Square numbers

19. The following is a block of a regular tetrahedron. How many trapeziums can be seen in it?

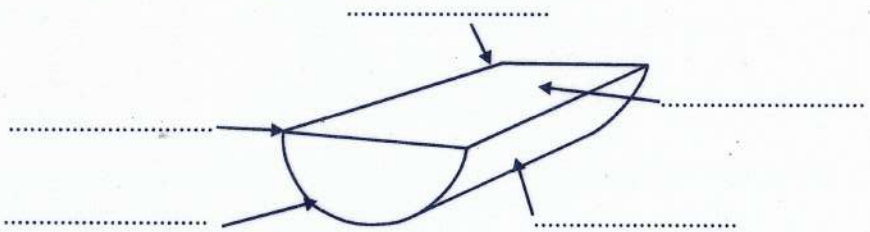


20. When the number of grade 5 students in a class rounded off to the nearest 10 is 30. But in grade 6, 6 new students were enrolled to the class. If the new amount of students rounded off to the nearest 10 the answer is 40. What is the minimum number there could be in grade 5?

Part II

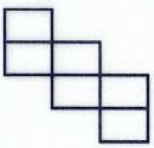
- **Answer the first question and four other questions.**
- **First question carries 16 marks and the other questions carry 11 marks each.**

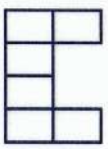
01. (a) Fill in the blanks using the given words.
(Vertex / curved edge / face / straight edge / carved surface)

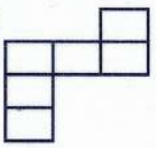


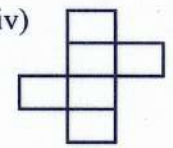
(3 marks)

(b) Underline the correct block to make a cube.

(I) 

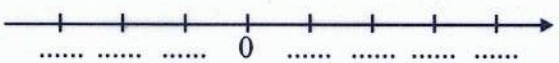
(ii) 

(iii) 

(iv) 

(2 marks)

(c) (i) Number the given number line correctly.



(1 mark)

(ii) Mark the integers 0 and -2 on the above number line. (2 marks)

(ii) Compare the above two integers using <, > or = symbols (1mark)

(d) Complete the following table using tally marks following is the information on the number of library books read by each student in a certain class of grade 6.

4	3	5	0	6	2	1	0	3	4
3	2	1	2	3	4	5	6	2	1
3	0	4	1	2	3	6	5	4	4
3	2	1	4	4	5	6	1	2	4

Number of books	Tally marks	Number of students
0		
1		
2		
3		
4		
5		
6		

(5 marks)

(i) What is the maximum number of books read by most of the students? (1mark)

(ii) Find the total number of students in the class. (1 mark)

02. (a) There are 12 coconut trees and 3 king coconut trees in Akeesha's garden.

(i) What is the measuring unit in that statement? (2 marks)

(ii) Write the ratio between coconut trees and king coconut trees. (2 marks)

(iii) Express the above ratio in it simplest form. (2 marks)

(b)(i) A machine fixes 210 bottle cups in 5 minutes. Does this statement indicates a rate or a ratio? (1 mark)

(ii) How many bottle cups are fixed in one minute? (2 marks)

(iii) Find the time taken to fix 336 bottle cups. (2 marks)

03.

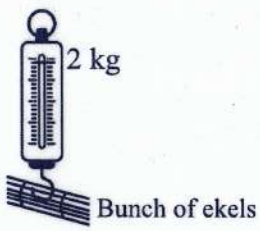
(A)

Fish

.....

.....

(B)



Bunch of ekels

.....

.....

(C)

Paddy bag

.....

.....

(D)

.....

.....

(i) Name the above measuring instruments and measuring units of them. (4 marks)

(ii) Find the total mass measured by A and D instruments.

	kg	g
	.....	.....
+	.....	.....

(2 marks)

(iii) Express the mass of bunch of ekels in gramms. (2 marks)

(iv) The sack of paddy was polished by a machine and the mass of the rice obtained was 28 kg 700 g. Find the mass of the husks and waste matters. (3 marks)

04. (a)(i) Seperate the constants, algebraic symbols and algebraic expressions correctly.

a	3	n+6		7
c	12		d	
P-1	20	10+y	e	15-r

Constants	Algebraic symbols	Algebraic expressions

(6 marks)

(ii) 250 chairs were arranged for a meeting 't' number of people came for the meeting and there were few empty chairs construct an algebraic expression to show the number of empty chairs, in terms of 't' (2 marks)

(b) Find the value of the following algebraic expressions when $x = 4$

(i) $x+3$ (ii) $7-x$ (iii) $x+x$ (3 marks)

05. (a)(i) Write the power with the base 7 and index 3. (2 marks)

(ii) Write the way of reading that power. (2 marks)

(iii) Expand it and find the value. (2 marks)

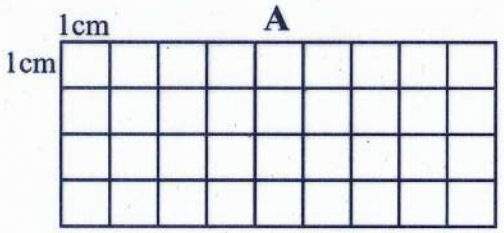
(b)(i) Find the value of 3^2 and 2^3 seperately. (2 marks)

(ii) Fill in the blanks using >, < and =

3^2 ..... 2^3 (1 mark)

(iii) Find the value of 3^2+2^3 (2 marks)

06. Following is figure **A** drawn in a grid with 1 cm x 1 cm squares.

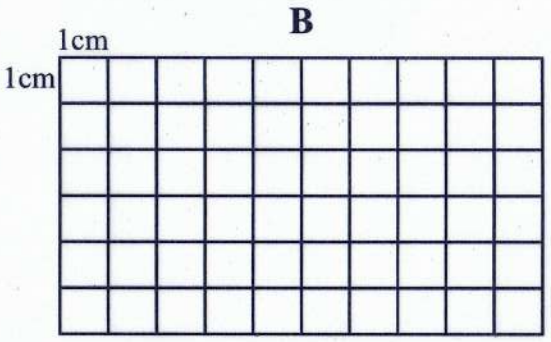


(i) Write the length and breadth of the rectangle **A** above. (2 marks)

length = ... Breadth .....

(ii) Find the area of the rectangle **A**. (2 marks)

(iii) It is supposed to seperate a square portion from **B** square net which is equal to the area of rectangle **A**. Shade the square portion in the given net.



(3 marks)

(iv) What is the remaining area of the grid **B** after cutting out the above square portion? (4 marks)

07. The following table and the pictogram contains information about distribution of chairs to five Death relief society.

Society	Number of Chairs
A	48
B	54
C	.....
D	36
E	.....

A	
B	
C	◯ ◯ ◖
D	
E	◯ ◯ ◯ ◯

◯ represents 12 chairs

(i) Complete the table using the pictogram (2 marks)

(ii) Complete the pictogram using the table. (3 marks)

(iii) What are the societies which got equal number of chairs. (2 marks)

(iv) Find the total number of chairs distributed. If it is needed to give equal number of chairs to each society how many more chairs are needed? (4 marks)