

08. The employee is received Rs. 15000 for 10 days. Find the salary is received 3 days.
09. Find the value of the expression $(3 - x) (2 + x)$ when $x = (-4)$
10. Find the value of x x
11. Write $3x^{-2}$ as a positive index.
12. The order in which the keys need to be pressed to find the value of the following. Fill in the blank according to it. $ON \rightarrow 9 \rightarrow 5 \rightarrow + 6 \rightarrow 8 \rightarrow = \dots$
 13. The height of a tree is 5.47 m. Round of this value, I. To nearest whole number II. To nearest 1st decimal place
14. What is the volume of tank in litres, when the length breadth and height are given 30 cm, 40 cm and 10 cm respectively.
15. Find the value of a 70° 110°
16. Sanduni received 120 Euro from her father. Find the total amount in Sri Lankan rupees. When 1 Euro is Rs. 195.



Part II

- Answer the <u>first question</u> and <u>another four</u> only.
- First question carries 16 marks and the other question carry 11 marks each.
- 01. (a) The Pythagoras relation is useful for real life application related to geometrical concept of rectilinear plane figures.

(i) In \triangle ABC,

- (a) Name the sides that include the right angle.
- (b) Name the hypotenuse.
- (c) Write the relation between AC and other two sides.



- (b) Use only cm/ mm straight edge and a pair of compasses to do this construction.
 - (i) Draw a straight line segment with 8 cm and name it as AB.
 - (ii) Construct an angle 60° at A on AB.
 - (iii) Mark the point C such that AC = 5 cm on the constructed line.
 - (iv) Construct the locus of a point moving equidistance to A and B.
 - (v) Construct the locus of point equidistance to AC and AB.
 - (vi) Mark the intersected point of above (iv) and (v) as L
 - (vii) Draw a circle with centre L and the radius as LA.
- 02. (a) Simplify $(2\frac{1}{3} \div 1\frac{7}{6}) \times \frac{1}{4}$
 - (b) The general term of a number sequence is 3n 1. Which term is 113.
 - (c) Convert 48_{ten} into binary numbers.
- 03. (i) Solve the following simple equations.

(a)
$$\frac{x+1}{2} - \frac{3-2x}{3} = 7$$

- (b) 4 {3(x 1) 1} = 20
- (c) Solve the simultaneous equation and find the value of "a" and "b" 3a + 2b = 7 a - 2b = 1





07. (a) An incomplete table of values prepared to draw the graph of the function y = 2x - 4 is given below.

x	-3	-2	-1	0	1	2
у	-10			-4	-2	0

- (i) Fill in the blank.
- (ii) Draw the graphs of above function.
- (iii)Write the equation of the straight line which is parallel to above and passes though the point (0, 0) (iv)Make the subject as "y" of $P = \frac{yt}{(y+a)}$