

T2-Graphs
Model Question Paper VI
8th Standard

Maths

Reg.No. :

--	--	--	--	--	--

I. Answer all the questions

Time : 01:30:00 Hrs

Total Marks : 40

5 x 2 = 10

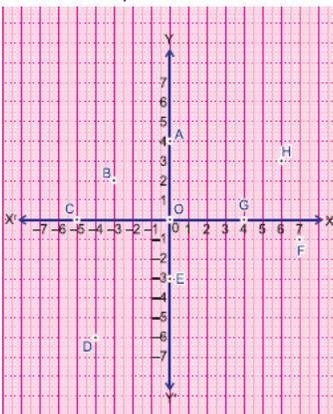
Part-A

- 1) Plot the following points on a graph paper and find out in which quadrant do they lie?
 - (i) A (3,5)
 - (ii) B (-2, 7)
 - (iii) C (-3,-5)
 - (iv) D (2, - 7)
 - (v) O (0, 0)
- 2) Draw the line joining the following points.
 - (i) A (2,3) and B (5, 7),
 - (ii) P (-4,5) and Q (3,-4).
- 3) Plot the points A (2, 8), B (-3, 3), C (2, 3) and find the area of the region enclosed by the figure ABC
- 4) Draw a linear graph to show the perimeter-side relationship of a square
- 5) On a particular day the exchange rate of 1 Euro was Rs.55. The following linear Graph shows the relationship between the two currencies. Read the graph carefully. and answer the questions given below
 - (i) Find the values of 4 Euros in terms of Rupees.
 - (ii) Find the values of 6 Euros in terms of Rupees.
 - (iii) Find the value of ` 275 in terms of Euros.
 - (iv) Find the value of ` 440 in terms of Euros

Part-B

10 x 3 = 30

- 6) Plot the following points in the graph paper and find out where they lie?
 - (i) A (2, 3)
 - (ii) B (-3, 2)
 - (iii) C (-5, -5)
 - (iv) D (5, -8)
 - (v) E (6, 0)
 - (vi) F (-4, 0)
 - (vii) G (0, 9)
 - (viii) H (0, -3)
 - (ix) J (7, 8)
 - (x) O (0, 0)
- 7) Determine the quadrants and the coordinates of the points A, B, C, D, E, F, G, H and O in the given figure



- 8) Draw the graph of the following equations
 - (i) $y = 0$
 - (ii) $x = 5$
 - (iii) $x = -7$
 - (iv) $y = 4$
 - (v) $y = -3$
- 9) Plot the following points and find out the area of enclosed figures
A (-2, -4), B (5, -4), C (5, 4), D (-2, 4)

10) Plot the following points and find out the area of enclosed figures

O (0 , 0), A (0 , 7), B (-7 , 7), C (-7 , 0)

11) Plot the following points and find out the area of enclosed figures

A (1 , 2), B (9, 2), C (7 , 4), D (3 , 4)

12) Draw a linear graph for the following data

x	5	5	5	5	5	
y	1	2	3	4	5	6

13) Draw the linear graph and find the missing entries

x	1	2	3	4	-	
y	6	1	2	-	3	0

14) Draw the graph of $y = 7x$

15) Eliza deposited Rs 20,000 in a bank at the rate of 10% per annum. Draw a linear graph showing the time and simple interest relationship. Also, find the simple interest for 4 years.

