



U. S. Ostwal International School

Ostwal Wondercity, Boisar (E)

TERM -1

Name: _____

Date: _____

Subject: Maths

Roll No: _____

Grade: VIII

Marks: 80

Time: 2.5 hrs

General Instructions:

- All questions are compulsory.
- Do not write the questions. Directly write the answers.
- Write the paper neatly. Reading time: 15 minutes.

SECTION A (40Marks)

Attempt any- 4 questions from this section

Question 1.

- A. Determine the following :- (4)
- a) 27% of 800
- b) 56% of a number is 154. Find the number.
- B. A person has to pay 7% of his income as tax. If he pays rupees 1596 as tax. Find his salary. (3)
- C. Find the greater ratio in the following:- 16:25 and 34:59 (3)

Question 2.

- A. Find the fourth proportion of the following :-7,11,28. (3)
- B. 54 men can complete a work in 30 days in how many days will 36 men complete the same work? (3)
- C. Solve the equation using transposition method :- $\frac{x-4}{2} - \frac{x-3}{4} = \frac{1}{6}$ (4)

Question 3

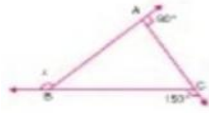
- A. If $X=-1$, find the value of the following expression. (3)
- $$3x - x^3 - x^2 + x^{-1}$$
- B. Solve the equation. (4)
- $$\frac{x-3}{2x+5} = \frac{3x-4}{6x+7}$$
- C. Find sum of the two numbers is 70. Their differences is 16. Find the number (3)

Question 4

- A. Two numbers are such that the first number is 5 times. The second number if 10 is divided both side the First number become three times the second number (3)
- B. Find the number . (3)
- $$3(2x-3) < 5-2(x+3), x \in W.$$
- C. Draw a net of cube and Hexagonal prism (4)

Question 5

- A. Two angle of a quadrilateral are 80° and 135° The other two angle are equal .Find the other Two angles (3)
- (4)



- B. Find the value of x
- D. What is the minimum number of planes that are required To form a solid (3)

Section-2 (40 marks)

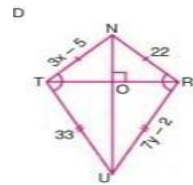
Attempt any-4 questions from this section:

Question 6

- A. The some of measure of all four angle of quadrilateral is 360° . State the reason (3)
- B. If an angle of parallelogram is two third of its Adjacent angle. Find the angle of parallelogram. (3)

Question 7

- A. Name the quadrilateral whose
- Diagonals bisect each other
 - Perpendicular bisector of each other
 - Are equal
- B. In the kite TURN in which diagonal TR and NU intersect at a Point O. Find the value of x
- C. Construct a quadrilateral PAC K in which $CA = 4$ cm $AC = 3.6$ $CK = 4.7$ $PK = 5.2$ cm and $\angle A = 80^\circ$ (4)



Question 8

- A. Construct a quadrilateral MIT in which $MI = 5$ cm $Ik = 4$ cm $\angle M = 80^\circ$ $\angle I = 85^\circ$ and $\angle K = 125^\circ$. (4)
- C. Two adjacent angle of parallelogram are $(2y + 10^\circ)$ And $(3y - 40^\circ)$. Find the measure of all the angle of Parallelogram (3)
- D. Find the maximum value of x from the Inequation :- $2(x-5) > 4x-6$. (3)

Question 9

- A. Divide the following :- 2,808 km in the ratio (3)
- B. 4 kg apple cost Rs. 35 . What hat is the cost Of 7 kg apple (3)
- C. If 18 women can harvest a field in $(15X + 18)$ days And 33 women can harvest the same field in $9X$ days. (4)
Find the value of x

Question 10

- A. The ratio of 10 m to 1 km is 1:10 state the reason (3)
- B. Construct a square DEBT IN which $DE = 3.5$. (4)
- C. " A parallelogram each of whose angles measures 90 (3)
Is trapezium. " This statement is write or wrong , state with reason

ALL THE BEST