

U. S. OSTWAL INTERNATIONAL SCHOOL

OSTWAL WONDER CITY, BOISAR (E)

TERM -I

ne :		
	Date:	
de : VII	Marks: 80	
ject : Maths	Roll No:	
e: 2.5 hrs		
ieral Instructions:		
All questions are compulsory		
 Do not write the questions. Directly write the answers. 		
 Write the paper neatly. Reading time: 15 minutes 		
SECTION A (40 Marks)		
Attempt any -4 questions from this section		
Question 1.		
A.Solve :		(4)
1. Find x such that :- x:7::12:84		
2. Find mean proportion between 3 and 12		
B.Convert the ratio into percentage 4:25.		(3)
C.If A and B are two sets such that n(AUB) =18, n(A)=8 and.		(3)
N(B) =15, find n(AnB).		
Question 2.		
A.Find the difference between. Ab +3bc +2a2-5b2 and.		(3)
5a2-6b2+10ab		
B.Divide:- 40 p2q3 by 8pq2.		(3)
C Find the third proportion of the following Rs.5, Rs25		(4)
Question 3		(
A.If X=-1, find the value of the following expression		(4)
1. 3x-1		
2. $-x3 - x2 + x - 1$		(2)
B.Find the number whose 64% is 512.		(3)
C.Find the two numbers whose sum is 55 and difference is 7		(3)
Question 4 A. If K ={5, 10,15,20,25} , L={10,20,30,40,50} , M = {4,8,12,16,20,24	ι	(4)
and $P = \{8, 10, 12, 14, 16, 30, 24\}$ then find :	<u>}</u> .	(4)
1. K-L. 2. M-P 3. P-K. 4. L-M		
B.If $[P/q] = [-2/3]9 \div [-2/3]8$, find the value of $[p/q]2$		
C .Solve the following equations.		(3)
1. $3x + 14 = 14$. 2. $5p - 16 = 69$		(0)
Question 5 A State following pair of triangle are congruent state the criteria		(2)
A.State following pair of triangle are congruent state the criteria Of congruence		(3)
(e) (f)		
B.Express the ratio in simplest form :- 200%		(3)

Find the perimeter of triangle.

SECTION B (40 marks) Attempt any 4 questions from this section question 6 A Write equations for the following statement 1. The sum of 9 times a and 6 is 24 2. A number b is divide by 5 gives 7 B Identify the monomials binomials in the following: 7xy-a. 14/17q13 9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg	(3) (3)
A Write equations for the following statement 1. The sum of 9 times a and 6 is 24 2. A number b is divide by 5 gives 7 B Identify the monomials binomials in the following: 7xy-a. 14/17q13 9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg	
 The sum of 9 times a and 6 is 24 A number b is divide by 5 gives 7 B Identify the monomials binomials in the following: 7xy-a. 14/17q. -13 9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg 	
 2. A number b is divide by 5 gives 7 B Identify the monomials binomials in the following: 7xy-a. 14/17q. -13 9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg 	(3)
 B Identify the monomials binomials in the following: 7xy-a. 9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg 	(3)
7xy-a. 14/17q13 9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg	(3)
9-xyz+Y2 ab-a2. 13/5 x2y2 B. 1. What percentage of 450 kg is 44 kg	
B. 1. What percentage of 450 kg is 44 kg	
2.Find 85% of 7500 kg?	(4)
Question 7	
A.Solve	(3)
1. 3/11 × (-7/19)	
2. 7/13÷(-4/65)	
B.Express which of the following using exponential notation.	(3)
1. 27,000. 2343 A	
(a) $5x$ (b) x x R	
C.Find the unknown angle in the following figure.	(4)
Question 8.	(4)
A.If a number increase from 650 to 715 find the increase	
In percentage?	(3)
B.Two complementary angles are in the ratio 4 :5 find the	(0)
Angle	(4)
C.Write the complement of angle 20°- x	(3)
Question 9	()
A.Check weather∆ABC is equilateral or isosceles :-	(3)
1. <a=x+30°; <b="2x+5°;" <c="3x-5°</td"><td></td></a=x+30°;>	
2. One angle of a triangle is 70° and the other two angle	
Are in the ratio 5:6 find these angles.	
B.Use the property of triangle to find the unknown angle.	(3)
50°	9
25	
C. In the adjoining figure DA=CB and AX=BY.Prove that.	(4)
ΔDAY~ΔCBX.	
Question.10	
A.Shahid can complete a work in 12 hour and Rahul can do same	(3)
Work in 15 hours how long will it take to complete it if they	
Work together?	
B.Evaluate :- (a+b)(a-b).	(3)
D. Some of the three consecutive odd natural number is 105.	(4)
Find the largest of three number.	
ALL THE BEST	

