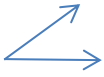
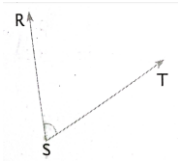
IDEAL INDIAN SCHOOL, DOHA – QATAR
TERM I EXAMINATION, OCTOBER 2023
Subject: MATHEMATICS
SET 2

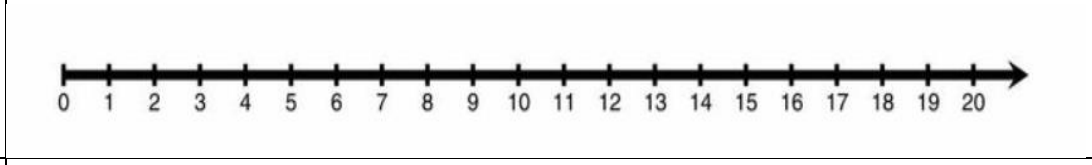
Class: V **Max Marks: 80**
Date: 08.10.2023 **Duration: 3 hours**

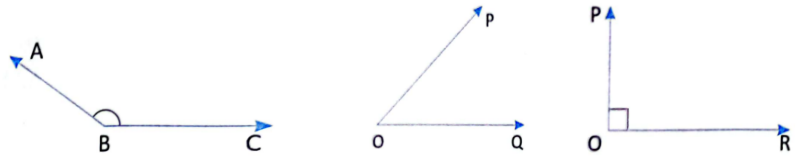
General Instructions:

1. The Question Paper contains five sections, Sections A-E.
2. Section A has 20 MCQs carrying 1 mark each.
3. Section B has 5 questions carrying 2 marks each.
4. Section C has 6 questions carrying 3 marks each.
5. Section D has 4 questions carrying 5 marks each.
6. Section E has 3 case based questions (4 marks each) with subparts of the values of 1,1and 2marks each respectively.
7. All questions are compulsory. However, an internal choice in 2 Questions of 5 marks, 2questions of 3 marks and 2 questions of 2 marks has been provided.

	SECTION - A	
	[*Multiple Choice Questions*] [20 × 1 = 20]	
Q.No.		**Marks**
1	Identify the number divisible by 5, from the following. a)63 b) 305 c) 101 d) 24	[1]
2	If the cost price is ₹ 446 and the loss is ₹ 18 ,then the selling price is ------ a) 400 b)18 c) 410 d) 428	[1]
3	The --------- of two or more numbers is the smallest number that can be divided by those numbers without leaving a remainder. a)LCM b) product c) sum d) difference	[1]
4	Which of the following is a prime number? a) 17 b) 8 c) 22 d) 20	[1]
5	Choose the prime factorisation of 28 from the following. a) 2 x 8 b) 2 x 2 x 7 c) 8 x 2 x 3 d) 3 x 3 x 3	[1]

6	Identify the type of angle made by the hour hand and the minute hand in the clock given below.  a) acute angle b) obtuse angle c) right angle d) straight angle	[1]
7	SP - CP is ------ a) loss b) overheads c) profit d) none of these	[1]
8	Choose the quotient and remainder of 573 ÷ 4 from the following. a) Quotient= 143 , Remainder = 1 b) Quotient= 143 , Remainder = 0 c) Quotient= 144 , Remainder = 0 d) Quotient= 144 , Remainder = 1	[1]
9	The symbol for a line segment is a)  b) c)  d) 	[1]
10	Name the given angle.  a)∠T b) ∠R c) ∠RT d) ∠RST	[1]
11	10 = 2 x 5 and 25= 5 x 5. Choose the LCM of 10 and 25 from the following. a) 2 b) 25 c) 250 d) 50	[1]
12	Sum of quantities ÷ Number of quantities = ? a) addend b) subtrahend c) factors d) average	[1]
13	2 x 47 x 50 =? a) 4700 b) 470 c) 100 d) 247	[1]
14	Which of the following is a multiple of 7 ? a) 12 b) 11 c) 28 d) 80	[1]
15	The HCF of 14 and 20 is: a) 5 b) 7 c) 4 d) 2	[1]
16	The LCM of 15 and 35 is: a)105 b) 35 c) 15 d) none of these	[1]

17	Bimla buys a table cloth for ₹130 and put a cover for it which cost ₹25. Then she sold it for ₹ 160 and she got a profit of ₹ 5. Identify and write the overhead amount in this. a) ₹5 b) ₹160 c) ₹25 d) ₹140	[1]
18	Which of the following is an acute angle? a) 20° b) 90° c) 135° d) 360°	[1]
19	Which is the instrument used to measure angles? a) Scale b) Thermometer c) Protractor d) measuring tape	[1]
20	The numbers 9, 18, 27, 36 ,45, 54 are : a) the factors of 9 b)the first six multiples of 9 c)prime numbers d) none of these	[1]
	SECTION –B **Section B consists of 5 questions of 2 marks each**	
21	Use the number line to find the common multiples and lowest common multiples of 2 and 3. 	[2]
22	Divide and check your answer with multiplication. 18468 ÷ 22	[2]
23	Harshita's stamp albums can hold 1500 stamps. So far she has pasted 785 stamps in it. How many more stamps can she paste in it? **OR** The sum of two numbers is 56730. If one number is 23146, then find the other.	[2]
24	Find the HCF of the given numbers using prime factorisation : 40, 24 **OR** First find the common factors of these numbers. Then mark their HCF: 27, 36.	[2]
25	Sanju is studying in Class V. His teacher gave him a question to match the angles with its correct measurement. But when he finished it and showed to the teacher, the teacher told that it is wrong. His answer is given below. Find out the mistakes and write it correctly. a) straight angle =135° b) Acute angle = 90° c) Right angle = 180° d)Obtuse angle = 45°	[2]

	SECTION-C **Section C consists of 6 questions of 3 marks each.**	
26	Find the missing numbers: a) 6427 - ——— = 4778 b) ——— + 391 = 557 **OR** A factory makes car wheels. If it sells each wheel at ₹ 5,925 at a profit of ₹ 398, what is the cost price of the wheel?	[3]
27	Multiply: a) 2500 x 300 b) 48000 x 20 **OR** Multiply: 6382 x 832	[3]
28	Check the following using divisibility rules. Give your answer as YES/NO. a) 118 is divisible by 4: YES/NO. b) 522 is divisible by 3: YES/NO. c) 92 is divisible by 2 : YES/NO	[3]
29	Name each of the following angles. Classify them as acute, right and obtuse.  (a) (b) (c)	[3]
30	A travelling salesman travelled 65 km, 59 km, 42 km, 38 km and 51 km in the first 5 days of the week. What was the average distance travelled by him?	[3]
31	. Find the LCM using prime factorisation. a) 35, 14 b) 10,18	[3]
	SECTION-D **Section D consists of 4 questions of 5 marks each.**	
32	Name the following: a) An angle that looks like the corner of a cupboard is a ------- b) A -------- is a collection of points going endlessly in both directions along a straight path c) An angle that measures exactly 180° is called -------- d) A --------- has one end point and goes on endlessly in one direction. e) A-------- is the basic unit of geometry	

<table>
<tr><td></td><td>OR
Define the following angles:
a) Straight angle
b) Obtuse angle
c) acute angle
d) Right angle</td><td>[5]</td></tr>
<tr><td>33</td><td>First find 6 multiples of each of the following numbers and then find common multiples. Finally find the LCM.
a) 6 , 9
b) 3,4
OR
Find the LCM of 16, 12, 32 using prime factorisation.</td><td>[5]</td></tr>
<tr><td>34</td><td>a) Rashid incurred a loss ₹ 590 on a chair he sold at ₹1,280. What was the cost price of the chair?
b) A teddy bear that costs ₹473 is sold at ₹525. Find the profit or loss.</td><td>[5]</td></tr>
<tr><td>35</td><td>Write whether the following numbers are prime or composite. If the number is a composite number, then find its prime factorisation using factor tree.
a) 60 b) 43 c) 81</td><td>[5]</td></tr>
<tr><td></td><td><u>SECTION –E</u>
<u>CASE STUDY BASED QUESTIONS(3 questions of 4 marks each)</u></td><td></td></tr>
<tr><td>36</td><td>Arun and Smitha are twin siblings. The following are their marks in each subject during the previous Examination (Maximum mark for each subject is 50). Examine it and answer to the following questions.
<table><tr><td colspan="2">Name of the student: ARUN</td></tr><tr><td>SUBJECT</td><td>MARKS SCORED</td></tr><tr><td>English</td><td>46</td></tr><tr><td>Hindi</td><td>43</td></tr><tr><td>Mathematics</td><td>45</td></tr><tr><td>Science</td><td>47</td></tr><tr><td>Social Science</td><td>39</td></tr></table><table><tr><td colspan="2">Name of the student: SMITHA</td></tr><tr><td>SUBJECT</td><td>MARKS SCORED</td></tr><tr><td>English</td><td>47</td></tr><tr><td>Hindi</td><td>37</td></tr><tr><td>Mathematics</td><td>40</td></tr><tr><td>Science</td><td>50</td></tr><tr><td>Social Science</td><td>46</td></tr></table>a) Find the total marks obtained by Arun. [1]
b) Find the total marks obtained by Smitha. [1]
c) Find out the average marks obtained by Arun as well as Smitha. [2]</td><td></td></tr>
</table>

37 Sieve of Eratosthenes is given here (Prime numbers between 1 and 100). Answer to the following questions.

	2	**3**	4	**5**	6	**7**	8	9	10
11	12	**13**	14	15	16	**17**	18	**19**	20
21	22	**23**	24	25	26	27	28	**29**	30
31	32	33	34	35	36	**37**	38	39	40
41	42	**43**	44	45	46	**47**	48	49	50
51	52	**53**	54	55	56	57	58	**59**	60
61	62	63	64	65	66	**67**	68	69	70
71	72	**73**	74	75	76	77	78	**79**	80
81	82	**83**	84	85	86	87	88	**89**	90
91	92	93	94	95	96	**97**	98	99	100

a) List out all the prime numbers between 10 and 50. [1]
b) Write all the prime numbers ending with 7. [1]
c) The numbers 44, 45 and 46 are composite numbers. Which of these number is divisible by 5. Do its prime factorisation using factor tree. [2]

38 A furniture dealer buys an old sofa set for ₹ 45,895. Then he spends ₹ 2,060 to polish it. It was finally sold for ₹ 51,080.

a) What is the final cost price of the sofa set? [1]
b) Write the overhead amount. [1]
c) Find profit / loss. [2]

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