INDIAN SCHOOL SOHAR
TERM I EXAMINATION (2019-2020)
MATHEMATICS

CLASS: VI	**MAX. MARKS: 80**
DATE: 19/09/2019	**DURATION: 3 HRS**

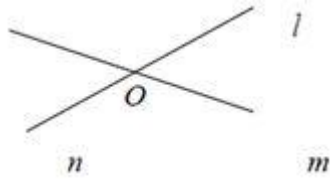**General Instructions:**

(i)   All questions are compulsory.

(ii)   The question paper consists of 40 questions divided into four sections A, B, C and D.

(iii)   Section A comprises 20 questions of 1 mark each. Section B comprises 6 questions of 2 marks each. Section C comprises 8 questions of 3 marks each. Section D comprises 6 questions of 4 marks each.

(iv)   There is no overall choice. However, internal choice has been provided in two questions of 1 mark each, two questions of 2 marks each, three questions of 3 marks each and two questions of 4 marks each. You have to attempt only one of the alternatives in all such questions.

(v)   Do the calculations in the working column. Give necessary formulae and steps wherever required. Use of calculators is not permitted.

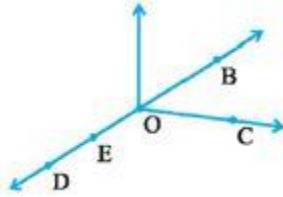## SECTION A

1.   What is the Hindu-Arabic numeral for XCVIII?

   (a) 98   (b) 78   (c) 108   (d) 99

2.   How many million makes one crore?

   (a) 100   (b) 10   (c) 1   (d) 1000

3.   Which among the given is the additive identity for whole numbers?

   (a) 1   (b) -1   (c) 2   (d) 0

4.   Which among the given is the smallest prime number?

   (a)2   (b)1   (c)4   (d)3

5.   If a number is divisible by both 2 and 3 then it is divisible by:

   (a)7   (b)5   (c)6   (d)3

6.   Which of the following numbers is divisible by 3?
   (a)123   (b)121   (c)122   (d)124

7.   How many lines can pass through two given points?

   (a)Three   (b) Two   (c) One   (d) infinite

8. 5 added to – 5 gives:

    (a)0   (b) -5   (c) 10   (d) -10

9. Which of the following numbers is to the right of -3 on number line?

    (a) -5   (b) -2   (c) -4   (d) -6

10. How many integers are there between -2 and 2?

    (a)4   (b)3   (c)2   (d)5

11. Name the point of intersection in the given figure.

12. How many points do the given figure has?

13. What is the predecessor of 1998?

OR

    What is the successor of 1999?

14. How many whole numbers are there between 200 and 201?

15. Write whether the given statement is true or false: "Every natural number is a whole number."

16. Name the angle whose arms are rays PQ and PR.

17. What will you get if you add one to the greatest four-digit number?

18. Which is the smallest composite number?

19. Express 44 as the sum of two odd primes.

OR

    What is the smallest and the greatest prime numbers between 1 and 10?

20. Write as expression using brackets: "six multiplied by the difference of nine and five".

SECTION B

21. Replace # with a digit such that 46#54 is divisible by 6.

22. Solve 26 × 273 using suitable property. Name the property used.

23. Show (-6) + 5 using a number line.

OR

Using a number line find 3 × 4.

24. Represent the following as integers using suitable sign.

(a) Gain of ₹2500   (b) Decrease in weight by 10 kg

25. Estimate 37 × 696 using general rule.

OR

Estimate 327 + 410 by rounding off to the nearest hundreds. Write the answer in Roman numeral.

26. Draw a rough sketch of ΔDEF. Mark a point A in its interior and a point Q in its exterior.

SECTION C

27. Following pictograph shows the choice of fruits of the students of class VI. Observe the pictograph and answer the following questions.

Fruit	Number of Students	☺ - 1 student
Mango	☺ ☺ ☺ ☺ ☺ ☺	
Orange	☺ ☺ ☺ ☺ ☺ ☺	
Apple	☺ ☺ ☺ ☺ ☺ ☺ ☺	
Banana	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺	
Pineapple	☺ ☺ ☺ ☺	

(a) Which fruit is liked by the maximum number of students?

(b) How many students like apple?

(c) Which two fruits are equally liked by the students?

28. Make the greatest and smallest four-digit number using four different digits so that 8 is always in the hundreds place. Also find the difference between the numbers.

29. Population of Rampur was 7, 45,231 in the year 2007. In the year 2017 it was found to be increased by 92, 785. What was the population of the city in 2017?

OR

In the town newspaper published every day, one copy has 17 pages. Everyday 9, 980 copies are printed. How many total pages are printed every day?

30. Using divisibility test determine whether 61809 is divisible by 11.

31. Find the sum of (–10) + 92 + 84 + (–15).

OR

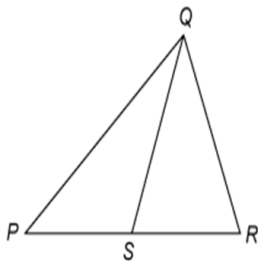Use number line and add the following:

(–9) + 7 + (–1)

32. Find the product of the largest 4-digit number and the largest 3-digit number using distributive property.

33. Find the greatest number which divides 304 and 298 leaving a remainder 4 in each case.

OR

Find the least number when divided by 18, 24 and 32 leaves a remainder 4 in each case.

34. Observe the given figure and answer the following questions:

(a) Which two triangles have ∠P as common?
(b) Name the three triangles in the given figure.
(c) Name the line segment which is common to any two triangles.

SECTION D

35. A cinema runs its movies in two different halls. One movie runs for 80 minutes and the second one runs for 120 minutes. Both movies start at 1.00 p.m. When will the movies begin again at the same time?

OR

Check whether:

(a) 21 and 35 are co-prime or not.

(b) 28 is a perfect number or not.

36. Write the following numbers in figures using commas.

(a) Sixty three million four hundred six thousand nine hundred one.

(b) Two crore twenty three lakh one thousand four hundred seven.

37. Find the H. C. F and L.C.M of 25, 30, 35 and 40 using prime factorization.

38. Draw a circle. Mark and name its (i) a diameter   (ii) a sector   (iii) a chord

OR

Draw a rough sketch of a quadrilateral GONE. State

(a) Two pairs of adjacent sides

(b) Two diagonals

(c) Two pairs of opposite angles

39. A box contains 1, 00,000 medicine tablets each weighing 40mg. What is the total weight of all the tablets in the box?   Convert in gm and in kg.

40. The points scored by 30 students for different houses of our school are given below. Prepare a frequency distribution table for the given data.

Yellow, Blue, Blue, Yellow, Red, Green, Blue, Yellow, Green, Blue,

Red, Yellow, Green, Blue, Yellow, Green, Red, Blue, Yellow, Blue,

Blue, Red, Blue, Yellow, Red, Green, Blue, Yellow, Green, Red

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