DELHI PUBLIC SCHOOL, KOLLAM
(Under the aegis of The DPS Society, New Delhi)

REVISION PAPER FOR HALF YEALY EXAMINATION (2019-2020)

Grade: VI	**Subject: MATHEMATICS**
Date:	**Code:**
Name:	**Max. Marks: 60**
Roll no. :	**Time: 2 Hrs.**

General Instructions:

- ***This question paper consists of 3 printed pages.***
- ***All answers to be written in the answer sheet provided.***
- ***Section A carries 15 questions of 1 mark each.***
- ***Section B carries 4 questions of 2 marks each.***
- ***Section C carries 7 question of 3 marks each.***
- ***Section D carries 4 question of 4 marks each***

SECTION A (15 ×1 =15) 15

1 The product of a non-zero whole number and its successor is always divisible by

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

2 One million is equal to

a) 1 lakh b) 10 lakh c) 1 crore d) 10 crore

3 Number of primes between 1 to 100 is _____

a) 26 b) 25 c) 24 d) 20

4 The number of diagonals of a triangle is

a) 0 b) 1 c) 2 d) 3

5 How many lines can pass through two given points?

a) 0 b) 1 c) 2 d) infinitely many

6 A number for which the sum of all its factors is equal to twice the number is called a _____ number.

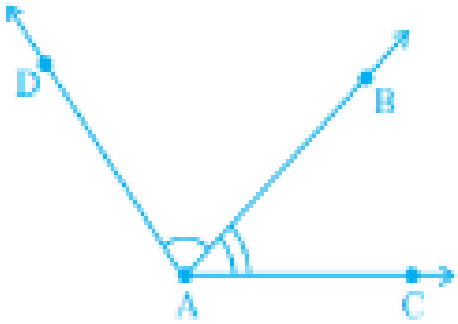
7 Keeping the place of 6 in the number 6350947 same, the smallest number obtained by rearranging other digits is _____

8 The numbers having more than two factors are called _____ numbers

9 The polygon with least number of sides is _____

10 2 is the only _____ number which is even

11 The common part between the two angles BAC and DAB in the given figure is _____.



12 Express 61 as the sum of three odd primes

13 Identify the prime number: I am a 2-digit prime number. My tens digit is 5 and my one's digit is a prime number .

14 State whether the given statement is true (T) or false (F).
Two parallel lines meet each other at some point

15 State whether the given statement is true (T) or false (F).
A number with 4 or more digits is divisible by 8, if the number formed by the last three digits is divisible by 8.

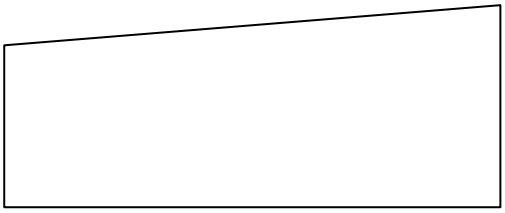
SECTION B (4 × 2 = 8) **8**

16 Find the difference between the largest number of seven digits and the smallest number of eight digits.

17 Regroup and add the given numbers 11+12+13+14+ 15+16+17+18+19

18 Replace * by a digit in the number 29*406 so that the number formed is divisible by 9

19 Is the given figure a polygon? If yes, what is the special name for it?



SECTION C (7 ×3 = 21) **21**

20 Find the product 8739 × 102 using distributive property

21 In the marriage of her daughter, Leela spent Rs 216766 on food and decoration, Rs 122322 on jewellery, Rs 88234 on furniture and Rs 26780 on kitchen items. Find the total amount spent by her on the above items.

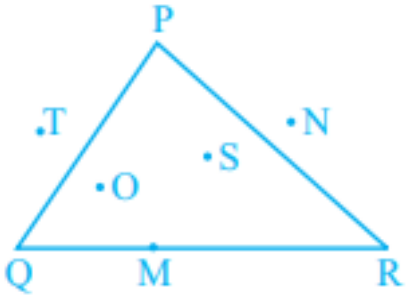
22 Determine the least number which when divided by 3, 4 and 5 leaves remainder 2 in each case.

23 Estimate the product 5981 × 4428 by rounding off each number to the nearest hundreds.

24 Find the prime factorisation of 2940

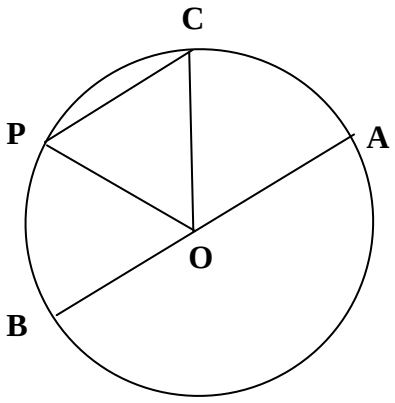
25 Draw a rough sketch of a quadrilateral COIN. Draw its diagonals. Name them. Also write any one pair of adjacent sides and opposite angles.

26 Points lying in the interior of the triangle PQR are _____,
that in the exterior are _____ and
that on the triangle itself are _____



SECTION D (4 × 4 = 16) **16**

27 O is the centre of the circle.
(a) Name all chords of the circle.
(b) Name all radii of the circle.
(c) Shade sectors OAC and OPB.
(d) Shade the smaller segment of the circle formed by CP



28 In a colony of 100 blocks of flats numbering 1 to 100, a school van stops at every sixth block while a school bus stops at every tenth block. On which stops will both of them stop if they start from the entrance of the colony?

29 Raina wants to mail three parcels to three village schools. She finds that the postal charges are Rs 20, Rs 28 and Rs 36, respectively. If she wants to buy stamps only of one denomination, what is the greatest denomination of stamps she must buy to mail the three parcels?

30 Determine the sum of the four numbers as given below:
(a) successor of 32
(b) predecessor of 49
(c) predecessor of the predecessor of 56
(d) successor of the successor of 67