

Roll No.:

NISCORT FATHER AGNEL SCHOOL , VAISHALI

Sample Test Paper (2017-2018)

Class VI

Mathematics

Time : 3 Hours

M.M.: 80

General Instructions

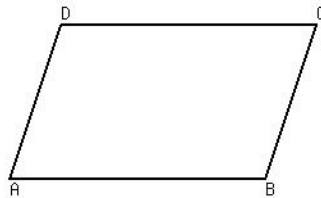
- The question paper is divided into four sections, Sec-A contains 6 questions of 1 mark
- Sec-B contains 6 questions of 2 marks each.
- Sec-C contains 10 questions of 3 marks each.
- Sec-D contains 8 questions of 4 marks each
- All questions are compulsory.
- Attempt all questions neatly showing the necessary workings wherever required.

Section-A

1. Form the largest and smallest 5- digit numbers using the digits 7, 6, 0, 5, 9 only once.
2. Write the additive inverse of $-(-8)$
3. What is the diameter of a circle whose radius is 6cm ?
4. Name a solid having one circular base and one vertex.
5. Check the divisibility of 56324 by 9.
6. Name the property used in the equation $24 \times (34 + 15) = 24 \times 34 + 24 \times 15$

Section-B

7. Solve $125 \times 27 \times 8$ with suitable arrangements.
8. Name two pairs of adjacent angles from the given figure.

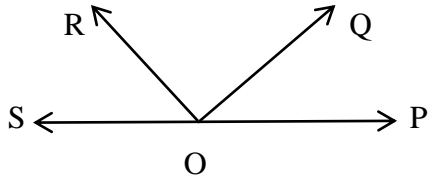


9. Express 47 as a sum of three prime numbers.
10. Find the difference between the place values of 4 in 98454675.
11. Is it possible to have triangle with lengths 3 cm , 5 cm , 7 cm ? Show the working .
12. Solve $8 - (-2)$ on number line.

Section-C

- 13 . Solve using distributive property:-
 - a) $56 \times 8 \times 1025 - 7 \times 8 \times 8 \times 25$
 - b) $13050 \times 13 + 1305 \times 70$
 - c) 838×103
- 14.i. Find the HCF of 126, 396 and 540.
 - ii. Find LCM of 105 ,135 and 180 using prime factorisation method.

15. How many angles are made with common vertex O in the figure given below ? Name all of them



16. Estimate to the nearest hundreds and solve $5678 + 2341 + 456$

17. The population of a city in the year 2010 was 1,31,27,540 . In the following year the population became 1, 75, 39, 325. Find the increase in the population.

18.i. What fraction of a clockwise revolution does the hour hand of a clock turn through , when it goes from 6 to 3 ?

ii. How many degrees are there in 2 revolutions ?

iii. Which direction will you face when you are facing south and you make one and half revolution.

19. Write the integer for the following statements indicating the sign.

a) Height of aeroplane from ground is 23456 Feet.

b) The stock market dropped 28 points after the bad economic news yesterday.

c) The temperature fell 16 degrees overnight.

20. An electronic device makes a beep after every 60 seconds. Another device makes a beep after every 62 seconds. They beeped together at 10a.m for the first time. Find the time when they will next make a beep together at the earliest.

21. One integer is smaller than the other by 5.If one of the integers is -7 ,find the other.

22. Check the divisibility of 4567892 by 4 and 8.Show necessary steps of workings.

Section-D

23. Hafed Cold storage had a stock of 58970252 egg trays. Out of this stock 3789441 egg trays were sent to Delhi and 4207985 egg trays were sent to Haryana for public consumption. How much is the exact eggs count left with Hafed cold storage if an egg tray contains 30 eggs?

24. Find the greatest number of 3 digits exactly divisible by 3,5 and 6.

25. Draw a quadrilateral ABCD and then name :

i. All pairs of adjacent angles .

ii. All pairs of opposite angles .

iii. All pairs of opposite sides.

iv. All pairs of adjacent sides.

26. Find the value of $67 - (-25) + 35 - (-23)$

27. Name the kind of triangle with –

i. No equal sides .

ii. One angle is a right angle and the other two are acute angles.

iii. One angle is an obtuse angle.

iv. All the three sides unequal.

28. A merchant has three kinds of milk of quantity 435 litres , 493 litres and 551 litres .Find the least number of casks of equal size required to store all the milk without mixing.

29. The temperature of Musoorie was recorded 2°C on Monday. It rose by 5°C on Tuesday but fall by 8°C on Wednesday. Write the temperature of Thursday morning.

30. Draw a circle and mark –a)Arc b) 3 Radius c)Diameter d)Sector e)Segment f) Chord