

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination (2023-2024)

Class: VI**Subject: Mathematics**

Name: _____

MM: 80**Time: 3 Hrs.**

Roll No.: _____

*(Fifteen Minutes Extra will be given for reading the Question Paper)***General Instructions:**

- All questions are compulsory.
- The question paper consists of 44 questions divided into 4 sections A, B, C and D.
- Section A comprises of 24 questions of 1 mark each.
- Section B comprises of 8 questions of 2 marks each.
- Section C comprises of 8 questions of 3 marks each.
- Section D comprises of 4 questions of 4 marks each.

Section A

Question numbers 1 to 24 are of 1 mark each.

Choose the correct option:

- Q1.** Which is the smallest 6-digit number with unique digits?
 a) 123456 b) 102345 c) 999999 d) 100000
- Q2.** 55 is divisible by :
 a) 2 b) 10 c) 3 d) 5
- Q3.** Numbers with only two factors, that is, 1 and the number itself are called _____ numbers.
 a) multiple b) composite c) factor d) prime
- Q4.** Three or more points that lie on the same line are called _____ points.
 a) line b) collinear points c) concurrent lines d) none of these

OR

The number of lines that can be drawn through a point is/are:

- a) 1 b) 2 c) infinite d) 3
- Q5.** _____ is called the identity element for whole numbers under addition.
 a) 0 b) 1 c) -1 d) number itself

OR

_____ is the only whole number which is not a natural number.

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

(1)

Q6. 240 can be written in Roman numeral as:

- a) CCXL b) CXIX c) XCIX d) CCLX

OR

DXCV can be written in Hindu-Arabic numeral as:

- a) 595 b) 695 c) 195 d) 1095

Q7. Round off to nearest ten : 464

- a) 450 b) 470 c) 460 d) 400

Q8. The additive inverse of 8 is :

- a) -8 b) 0 c) 8 d) 1

Q9. A ray has _____ endpoint.

- a) 2 b) 0 c) 1 d) 5

Q10. Zero divided by any whole number (other than 0) gives the quotient as _____ .

- a) 1 b) 0 c) 2 d) number itself

Answer these questions:

Q11. Two or more circles with the same centre are called _____ circles.

OR

Which is the longest chord in a circle?

Q12. Find the sum of the place-values of 6 in 14,76,263.

OR

Write the period and the place-value of 3 in 26,35,789.

Q13. In whatever order two numbers are added, their sum always remains _____.

Q14. State true/false: 1 is neither prime nor composite.

Q15. State the property used in : $12 \times 15 = 15 \times 12$.

Q16. Find the additive inverse of -150.

OR

Write the opposite of : Profit of ₹600.

Q17. Write the number for : Forty-three million two hundred five thousand six.

Q18. Check the divisibility of 145260 by 3.

OR

Express 36 as the sum of two odd primes.

Q19. How many sides and angles does a quadrilateral has?

Q20. Write in words according to Indian place value chart: 92500412.

Q21. Represent the given number on the number line : -2 .

Q22. In the given pair, which number is to the right of the other on the number line : $0, -9$.

Q23. Compare using $<$, $>$ or $=$: -25 -10

OR

Find the predecessor of -85 .

Q24. Write the face value of 9 in 10,56,89,320.

Section B

Question numbers 25 to 32 is of 2 marks each.

Q25. Insert commas suitably and write the number name according to International System of numeration: 56231980.

Q26. Using the number line write the integer which is 3 more than -4 .

Q27. For the given addition sentence, write two subtraction sentences: $13 + 50 = 63$.

Q28. Write first four multiples of 14.

OR

Write all the factors of 26.

Q29. Make the smallest and the greatest 4-digit number by using any four digits such that digit 0 is always at ones place.

OR

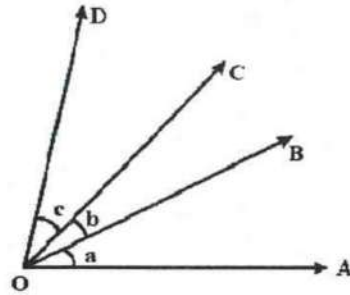
Make the smallest and the greatest 5-digit number by repeating any one digit: 5, 8, 3, 0.

Q30. Draw a closed curve and mark two points in its interior.

Q31. Subtract : 568 from -122 .

Q32. From the given figure, answer the following:

- (i) Name the angle a.
- (ii) Name the angle b.



Section C

Question numbers 33 to 40 are of 3 marks each.

Q33. Find the first three common multiples of 5 and 15.

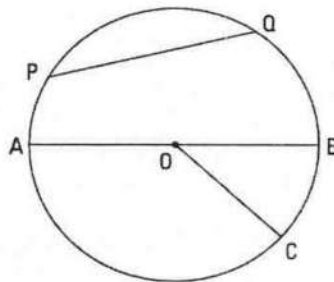
Q34. Estimate the sum to the nearest hundred : $161 + 238$.

OR

Estimate the product to the nearest ten : 32×69 .

Q35. From the given figure, answer the following:

- (i) Name the diameter.
- (ii) Name two radii.
- (iii) Name a chord.



Q36. Determine the product by suitable rearrangement: $50 \times 1644 \times 2$.

OR

Determine the sum by suitable re-arrangement : $311 + 574 + 289 + 6826$.

Q37. Find the LCM of two numbers if their product is 2646 and HCF is 27.

Q38. Find the value and also name the property used : $5326 \times 92 + 5326 \times 8$.

Q39. Find the value : $(-7) - 6 + (-3) - 5$.

OR

If you are at -3 on the number line, in which direction and how many steps should you take to reach 5 ?

Q40. Take three non-collinear points X, Y and Z and join XY, YZ and ZX. Find the following:

- (i) Name the figure obtained.
- (ii) Angle opposite to side XY.
- (iii) Side opposite to $\angle X$.

Section D

Question numbers 41 to 44 are of 4 marks each.

Q41. Find the greatest number of 4-digits which is exactly divisible by 40, 48 and 60.

OR

210 mangoes, 252 apples and 294 pears are equally packed in cartons so that no fruit is left. What is the biggest possible number of cartons needed?

Q42. In a school there are 15 classes. If each class has 22 boys and 28 girls, find the number of students enrolled in the school.

Q43. On a particular day in January, the minimum temperature in Darjeeling was -6°C , whereas the minimum temperature in Bangalore was 25°C . What was the difference between the minimum temperatures of two cities?

Q44. Draw a quadrilateral PQRS. Mark the following points.

- a) M and N which are on the opposite sides.
- b) A and B which are in the interior of the quadrilateral.
- c) C and D which are on the exterior of the quadrilateral.
