CBSE Board Class VI Mathematics Term I Sample Paper 3

Time: 2 ¹/₂ hours

Total Marks: 80

General Instructions:

- **1.** All questions are **compulsory**.
- 2. Section A comprises of 12 questions carrying 1 mark each.
- 3. Section B comprises of 12 questions carrying 2 marks each.
- 4. Section C comprises of 8 questions carrying 3 marks each.
- 5. Section D comprises of 5 questions carrying 4 marks each.

Section A

(Questions 1 to 12 carry 1 mark each)

- 1. How many thousands make a crore?
 - A. 10
 - B. 100
 - C. 1000
 - D. 10000
- 2. How many whole numbers are there up to 1000?
 - A. 1001
 - B. 1000
 - C. 100
 - D. 999
- 3. (-42) + (-35) =
 - A. -7
 - B. 7
 - C. -77
 - D. 41
- 4. Which is the fifth multiple of 18?
 - A. 80
 - B. 90
 - C. 72
 - D. 180

- 5. The improper fraction for $3\frac{1}{3}$ is_____
 - A. $\frac{10}{3}$ B. $\frac{3}{10}$ C. $\frac{1}{3}$ D. $\frac{3}{1}$
- 6. The English alphabet Z represents a/an _____ curve.
 - A. closed
 - B. open
 - C. polygon
 - D. triangle
- 7. (-2) (-5) = A. 7
 - B. (-7)
 - C. 3
 - D. (-3)
- 8. Arrange 3, (-3), 2, 0 and (-4) in the ascending order.
 A. 0, 2, (-3), 3, (-4)
 B. (-3), 3, 0, 2, (-4)
 C. (-4), (-3), 0, 2, 3
 - D. (-3), 0, 2, 3, (-4)

9.
$$5\frac{1}{5} + 4\frac{2}{5} =$$

A. $9\frac{2}{5}$
B. $10\frac{3}{5}$
C. $2\frac{2}{5}$
D. $9\frac{3}{5}$

- 10. _____ passes through any two given points.
 - A. Two line
 - B. One and only one line
 - C. No line
 - D. Innumerable lines
- 11. A right angle measures
 - A. 60°
 - B. 120°
 - C. 180°
 - D. 90°
- 12. The smallest whole number is
 - A. 1
 - B. 0
 - C. 4
 - D. 2

Section B (Questions 13 to 24 carry 2 marks each)

- 13. Fill in the blanks with appropriate symbols '>" or '<".
- 14. Name the bigger angle in the pair.



- 15. Which number is neither prime nor composite?
- 16. Classify the numbers given below into numbers to the left of zero and to the right of zero on the number line.

-9, +5, -28, -100, +81, -4, -1, +1, +72, -48, +65, -95

17. How many exterior angles does a triangle have in all?

- 18. Which is greater, 78712354 or 78721124?
- 19. Shilpi bought $\frac{2}{5}$ kg of sugar and $\frac{1}{3}$ kg of rice. What was the total weight of ingredients bought by Shilpi?
- 20. Write the opposite of each of the following:
 - (a) Going 6 m to the East
 - (b) A deposit of Rs. 100
 - (c) 10 km above sea level
 - (d) Earning Rs. 500
- 21. Which two solid shapes have the same number of faces, vertices and edges?
- 22. Use the divisibility test to determine whether the number 1258 is divisible by 6.
- 23. Last year, Minu grew by $\frac{3}{5}^{\text{th}}$ of an inch and her brother grew by $\frac{2}{5}^{\text{th}}$ of an inch. How much more did Minu grow than her brother?
- 24. Classify the following angles as acute, obtuse, right or reflex angles.
 - (a) 35°
 - (b) 185°
 - (c) 90°
 - (d) 92°

Section C

(Questions 25 to 32 carry 3 marks each)

- 25. Compare the fractions $\frac{7}{12}$ and $\frac{9}{16}$.
- 26. Each corner of a cube is cut off, leaving a triangular face at each corner and an octagonal face in place of each face of the original cube. How many vertices and faces will the new polyhedron have?



- 27. Three boys step off together from the same spot. Their steps measure 63 cm, 70 cm and 77 cm respectively. What is the minimum distance each should cover so that all can cover the distance in complete steps?
- 28. From the following figure, indentify the angles:



- (a) Name three acute angles.
- (b) Name three obtuse angles.
- (c) Name two straight angles.
- 29. From 300 feet below sea level, Rocky took off in his helicopter and ascended 900 feet. Which integer represents Rocky's elevation now?
- 30. Use the divisibility tests to determine whether the number 378 is divisible by 2, 3, 4, 5, 6, 9 or 11.
- 31. Look at the figure and answer the following questions:



- (i) Name all the triangles in the figure.
- (ii) Name all the triangles having the vertex 0.
- (iii) Name all the triangles having the vertex A.
- 32. Give a rough estimate (by rounding off to nearest hundreds) and also a closer estimate (by rounding off to nearest tens): 4, 89, 348 48, 365

Section D

(Questions 33 to 37 carry 4 marks each)

- 33. Answer the following questions for the given figure:
 - (a) What are lines p, q and r called?
 - (b) What is the point at which they meet called? Label it on the figure.
 - (c) How many lines can pass through the labeled point?



- 34. Find the HCF of 2261, 3059 and 3325.
- 35. Richa completed a fifth of her homework in the morning and two-sevenths of it in the afternoon. What fraction of her homework did she complete? Also, find what fraction of her homework is incomplete?
- 36. Look at the given figure and answer the following:



- (i) Name the points which are in the exterior and the interior of the circle.
- (ii) Name the radii of the circle.
- (iii) Name the diameter of the circle.
- (iv) Name the chords of the circle.
- 37. Arrange the fractions $\frac{2}{3}$, $\frac{1}{6}$, $\frac{5}{9}$ and $\frac{7}{12}$ in the ascending order.