HY- 2025	JINDAL SCHOOL, BARBIL	MM-50
V	MATHEMATICS	TIME: 2 Hrs

General Instructions:

Read the following instructions very carefully and strictly follow them:

(i) This Question paper contains **31 questions**. All questions are **compulsory**.
(ii) Question paper is divided into **FOUR** Sections – Section **A, B, C** and **D**.
(iii) In Section **A** – Question Number **1** to **20** are Multiple Choice Questions (MCQs) of **1 mark** each.
(iv) In Section **B** – Question Number **21** to **25** are Very Short Answer (VSA) type questions, carrying **2 marks** each.
(v) In Section **C** – Question Number **26** to **29** are Short Answer (SA) type questions, carrying **3 marks** each.
(vi) In Section **D** – Question Number **30** to **31** are Long Answer (LA) type questions, carrying **5 marks** each.
(vii) There is no overall choice. However, an internal choice has been provided in **1** question in Section – **B**, **1** question in Section–**C** and **1** question in Section–**D**.
(viii) Use of calculator is **NOT** allowed.

SECTION-A 1×20

This section comprises of Multiple-Choice Questions (**MCQ**s) of **1** mark each. Select the correct option (Question **1** to Question **20**):

1. Two Crore = _____

(a) 2,00,000 (b) 2,00,00,000 (c) 20,00,000 (d) 20,00,00,000

2. 9 digits greatest number is ___

(a) 99,99,99,999 (b) 9,99,99,999 (c) 10,00,00,000 (d) 1,00,00,00,100

3. Smallest 8-digit number using digits 8,0,5,9,2,4,1,3

(a) 96543210 (b) 98654321 (c) 966543220 (d) 96543210

4. An angle of 180° is called a ___

(a) Acute angle (b) Obtuse angle (c) Reflex (d) Straight angle

5. Kind of angle formed at 11:25 ___

(a) Acute (b) Obtuse (c) Reflex (d) Straight

6. A polygon (a closed shape) having 7 equal sides is called a ___

(a) Pentagon (b) Hexagon (c) Septagon (d) Octagon

7. Perimeter of figure–1 is _____

(a) 16 units (b) 15 units (c) 14 units (d) 18 units

8. Area of figure–1 is _____

(a) 14-unit² (b) 16-unit² (c) 12-unit² (d) 18-unit²

9. Division sum of 35 ÷ 9 is ___

(a) 9 ÷ 35 (b) $\frac{9}{35}$ (c) $\frac{35}{9}$ (d) 35 × 9

10. Improper fraction of $4\frac{1}{7}$ is ___

(a) $\frac{21}{7}$ (b) $\frac{28}{7}$ (c) $\frac{30}{7}$ (d) $\frac{29}{7}$

11. Mixed fraction of $\frac{22}{9}$?

(a) $2\frac{4}{9}$ (b) $1\frac{13}{9}$ (c) $3\frac{1}{9}$ (d) $2\frac{2}{9}$

12. Which of the following is not an equivalent fraction of $\frac{2}{5}$?

(a) $\frac{20}{50}$ (b) $\frac{12}{30}$ (c) $\frac{25}{55}$ (d) $\frac{6}{15}$

13. Which is less than $\frac{6}{7}$?

(a) $\frac{7}{8}$ (b) $\frac{6}{5}$ (c) $\frac{11}{12}$ (d) $\frac{10}{11}$

14. $\frac{5}{8}$ of 56 is ___

(a) 25 (b) 55 (c) 45 (d) 35

15. Pattern of 6, 12, 18, ___

(a) 16 (b) 20 (c) 24 (d) 30

16. 8th multiple of 15 is ___

(a) 90 (b) 105 (c) 75 (d) 120

17. Which of the following has 7 as a factor?

(a) 56 (b) 57 (c) 55 (d) 54

18. _____ is the only even prime number.

(a) 11 (b) 7 (c) 6 (d) 2

19. _____ is the smallest counting number.

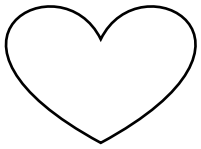
(a) 0 (b) 1 (c) 2 (d) 1½

20. _____ is the smallest odd composite number.

(a) 1 (b) 4 (c) 9 (d) 15

SECTION-B 2×5

Questions Number **21** to **25** are Very Short Answer (VSA) type questions of **2** marks each.



21. Draw the Line of symmetry (Heart shape given).

22. Find the English letter which are symmetry.

23. Find the first two common multiples of 9 and 12.

24.A rope is 5m long. How many pieces, measuring $\frac{1}{4}m$ can be cut from it?

25.(A) Write Expanded form of 75,00,01,973.

OR

(B) The successor of 56,79,999 is _____ and the predecessor of 7,98,26,440 is _____.

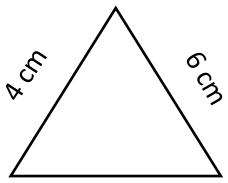
SECTION – C 3×4

Questions Number **26** to are Short Answer (SA) type questions of **3** marks each.

26.(A) Write the first 5 multiples of 12.

OR

(B) 25 paise as a fraction of a rupee.



27. In triangle (Δ), If perimeter = 17 cm, then find the missing length.

28. Two rays with a common end point form an _____.

29. Name of 90,11,00,300 is _____.

SECTION-D 4×2

Questions number **30** to **31** are Long Answer (LA) questions of **4** marks each.

30. (A) A cake was divided into 12 pieces. Rama ate $\frac{1}{6}$ of the cake, Arjun ate $\frac{1}{4}$ of the cake, and Rashi ate $\frac{1}{3}$ of it. How many pieces did each of them eat? How many pieces were left?

OR

(B) Draw a Circle using a compass. Make a design within the circle using straight lines such that the design is symmetrical. Colour it.

31. Vanee grows potatoes on her farm in Pune. She takes a loan of Rs. 28,000 from a bank to buy a buffalo. In one year, she pays back a total of Rs. 30,720 to the bank. Calculate how much Vanee pays to the bank every month.