MATHEMATICS MOCK TEST

Class: IV | Set: 19

Time: 1 Hour 30 Minutes | Written Marks: 35 | Viva: 5 | Total: 40 Marks

NAME: _____ ROLL NO: _____

SECTION A   (1 Mark Each)

1. Write the first three multiples of 16.

2. What is a geometric figure that starts at a fixed point and extends infinitely in one direction?

3. Convert 5 metres 25 centimetres into total centimetres.

4. Complete the number pattern: $1, 4, 9, 16,$ _____.

5. If one pen costs ₹15, how many pens can you buy for ₹60?

SECTION B   (2 Marks Each)

6. **LCM:** Find the LCM (Lowest Common Multiple) of 4 and 5.

7. Draw a line segment $AB = 7.5$ cm using a ruler and mark its midpoint as M.

8. Find the perimeter of a square whose side is 11 cm.

9. **Subtraction:** Subtract 2 L 450 mL from 5 L 100 mL.

10. Reena has ₹500. She buys a bag for ₹325.50. How much money is left with her?

SECTION C   (3 Marks Each)

11. **Factors and Multiples:** Write all the prime numbers between 10 and 30.

12. **Geometry:** Draw a circle of radius 4 cm. Mark and label its Center (O), a Radius (OR), and a Diameter (PQ).

13. **Measurement Subtraction:** A bag of sugar weighed 15 kg 250 g. If 6 kg 750 g of sugar was used for making sweets, how much sugar is left in the bag?

14. **Bar Graphs:** The table shows the number of students who visited the library in a week:

Day	Monday	Tuesday	Wednesday	Thursday	Friday
No. of Students	15	10	25	20	12

Answer: (i) On which day did the maximum number of students visit? (ii) What is the difference between the number of students on Wednesday and Tuesday?

SECTION D   (4 Marks Each - Case Study)

Case Study 1: Renovating the Room
A rectangular room is 8 metres long and 6 metres wide.

   (i) Find the area of the floor to be carpeted (Area = length $\times$ breadth). (2 Marks)
   (ii) If the owner wants to put a wooden border (skirting) around the floor, how many metres of wood are required? (Perimeter). (2 Marks)

Case Study 2: The Secret Code Pattern
In a code language, the letters of the alphabet are assigned values in a pattern:
$A = 5, B = 10, C = 15, D = 20 \ldots$

   (i) What is the code for the letter 'F'? (2 Marks)
   (ii) If a word is coded as "10 5 20", what is the word? (2 Marks)

VIVA VOCE   (5 Marks)

   - **Factors:** What are the only two factors of a prime number?

   - **LCM:** Find the LCM of 2 and 6.

   - **Measurement:** How many grams are there in three-quarters ($3/4$) of a Kilogram?

   - **Geometry:** Can a circle have two centers? Why?

   - **Money:** If you buy a toy for ₹75 and give a ₹200 note, how much change should you get back?