TIME: 1 HOUR   **MM: 20**

1.   Base area of a cylinder of radius 28 cm is _____.   1

2.   Area of a parallelogram is 400 cm². Sum of its parallel sides is 40cm, then the distance   1
        between these parallel sides is _____.

3.   What is a line graph?   1

4.   Write an example for direct variation from our environment.   1

5.   The surface area of a cube is 3456 cm². Find its volume.   2

6.   Find the total surface area and lateral surface area of a cuboid of length10 cm,   2
        breadth 8cm and height 8 cm.

7.   Find the area of a rhombus whose diagonals are of length 15.5 cm and 12.5 cm.   2

8.   y varies inversely as the square root of x, when x =16 and y = 9. What will be the   3
        value of x when y = 4?

9.   Draw a distance time graph to represent the data.   3

Time(in hr)	1	2	3	4	5
Distance travelled(in km)	120	240	360	480	600

10.   A container with dimensions 20 m × 15 m × 10 m, contains milk which has to be   4
        transferred completely into smaller cylindrical cans of radius 15 cm and height 28cm.
        Find the number of cans. $(\pi = \frac{22}{7})$