

# P.M. S.H.R.I KV AFS BAGDOGRA

## WINTER BREAK HOLIDAYS HOMEWORK (2023-24)

### Class VIII

#### MATHS

- Revise the syllabus of PT -2

**Solve all the following questions in maths notebook:**

Q1. Find the value of  $m$  for which  $5^m \div 5^{-3} = 5^5$

Q2. Express the following numbers in usual form.

- (i)  $3.02 \times 10^{-6}$
- (ii)  $4.5 \times 10^4$
- (iii)  $3 \times 10^{-8}$

Q3. Length of the fence of a trapezium shaped field ABCD is 120 m. If BC = 48 m, CD = 17 m and AD = 40 m, find the area of this field. Side AB is perpendicular to the parallel sides AD and BC.

Q4. The floor of a building consists of 3000 tiles which are rhombus shaped and each of its diagonals are 45 cm and 30 cm in length. Find the total cost of polishing the floor, if the cost per  $m^2$  is RS.4.

Q5. Find the side of a cube whose surface area is  $600 \text{ cm}^2$

Q6. The lateral surface area of a hollow cylinder is  $4224 \text{ cm}^2$ . It is cut along its height and formed a rectangular sheet of width 33 cm. Find the perimeter of rectangular sheet?

Q7. Find the height of a cuboid whose base area is  $180 \text{ cm}^2$  and volume is  $900 \text{ cm}^3$ ?

Q8. A cuboid is of dimensions 60 cm  $\times$  54 cm  $\times$  30 cm. How many small cubes with side 6 cm can be placed in the given cuboid?

Q9. A photograph of a bacteria enlarged 50,000 times attains a length of 5 cm as shown in the diagram. What is the actual length of the bacteria? If the photograph is enlarged 20,000 times only, what would be its enlarged length?

Q10. Suppose 2 kg of sugar contains  $9 \times 10^6$  crystals. How many sugar crystals are there in (i) 5kg of sugar? (ii) 1.2 kg of sugar?

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**WINTER BREAK HOLIDAY HOMEWORK**

**SUBJECT: SCIENCE**

**CLASS VIII:**

1. Make a circuit with battery , wire and bulb to detect the conductivity of different materials (solids/liquids)
2. Make a chart to display:
  - i. Protection from lightning and thunderstorm.
  - ii. Precautions during earth quake.

Class 8 winter break homework

1 write and learn the questions and answers of chapter “civilizing the native, educating the nation”

2 complete project on A4 size paper, titled : Types of industries: on the basis of raw material used