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PUNJABI COLONY GALI 01

Class 8th surface are and volume-3

1. **The curved surface area of a right circular cylinder of height 20 cm is 100 cm2. Find the radius of the base of the cylinder**
2. **The outer diameter of a pipe is 1.6 m and it is 15 m long. Find**
   (i) its outer curved surface area (ii) the cost of painting the outer surface of the pipe at the rate of Rs. 15 per m2.
3. **Shush cap is in the form of a right circular cone of base radius 15 cm and the height20 cm. Find the area of the sheet required to make 5 such caps.**
4. **Curved surface area of a cone is 220 cm2 and its slant height is 10 cm. Find total surface area of the cone.**
5. **The surface area of a sphere is 440 cm2, what will be its diameter?**
6. **The radius of the hemisphere is 15 cm. Find the cost of painting the surface at the rate of Rs.1.5 per 50cm2.**
7. **12 m^2 metal sheets is required to make a closed circular tank of radius 0.5 m. Find the height of the tank.**
8. **Inner and outer radii of a metallic pipe are 2 cm and 2.5 cm. If the length of pipe is 50 cm, find its total surface area.**
9. **The height of a cone is 7 cm and radius of its base is also 7 cm. Find its curved surface area.**
10. **The base radius of a cone is twice its height. If the curved surface area of cone is 220 cm2, then find the base radius and total surface area of cone.**
11. **If the area of a circle is 78.5 cm^2, find its circumference. Take π= 3.14**
12. **Find the circumference of the circle whose area is 16 times the area of the circle with diameter 7 cm.**

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