



# NCERT Maths Solutions by Dev Anoop (Bathinda)

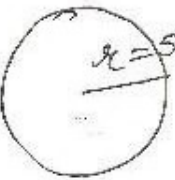


1(i)  **Ex 13.4**

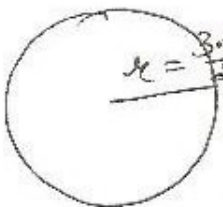
$$\begin{aligned} \text{S.A.} &= 4\pi r^2 \\ &= 4 \times \frac{22}{7} \times 10.5 \times 10.5 \\ &= 63 \times 22 \\ &= 1386 \text{ cm}^2 \end{aligned}$$

2(ii) 

$$\begin{aligned} \text{S.A.} &= 4\pi r^2 \\ &= 4 \times \frac{22}{7} \times \frac{21}{2} \times \frac{21}{2} \\ &= 1386 \text{ cm}^2 \end{aligned}$$

1(ii) 

$$\begin{aligned} \text{S.A.} &= 4\pi r^2 \\ &= 4 \times \frac{22}{7} \times 5.6 \times 5.6 \\ &= 394.24 \text{ cm}^2 \end{aligned}$$

2(iii) 

$$\begin{aligned} \text{S.A.} &= 4\pi r^2 \\ &= 4 \times \frac{22}{7} \times 3.5 \times 3.5 \\ &= 38.5 \text{ m}^2 \end{aligned}$$

1(iii) 

$$\begin{aligned} \text{S.A.} &= 4\pi r^2 \\ &= 4 \times \frac{22}{7} \times 14 \times 14 \\ &= 2464 \text{ cm}^2 \end{aligned}$$

3 

$$\begin{aligned} \text{t.S.A.} &= 4\pi r^2 \\ &= 4 \times 3.14 \times 10 \times 10 \\ &= 4 \times 314 \\ &= 1256 \text{ m}^2 \end{aligned}$$

2(i) 

$$\begin{aligned} \text{S.A. of sphere} &= 4\pi r^2 \\ &= 4 \times \frac{22}{7} \times 7 \times 7 \\ &= 616 \text{ cm}^2 \end{aligned}$$