## RD Sharma Class 9 Solutions Surface Areas and Volume of a Sphere

## RD Sharma Class 9 solutions Chapter 21 Surface Area and volume of A Sphere Ex 21.1

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SURFACEAREA AND VOLUMES OF A SPHERE. LearnCBSE.in
Solution - 1:-
(i) Given radius = 10.5cm
   Surface Area = 411 x2
                 =4+22+(10.5)2
                 = 1386 cm2
 (ii) Given Radius = 5.6cm
  Surface Area= 411+2= 4+22 x (9.6)2 = 394-24.cm2
 (iii) Given radius = 14 cm
   Surface Area = 411+2= 4× 22× (14)2 = 2464cm2
 solution 2 :-
(i) Diameter =14cm
    radius = Diameter = \frac{14}{2} = 10 m
    : surface Area = 4\pi r^2 = 4x \frac{22}{7} 4(7)^2 = 616 cm^2
 (ii) blameter = 21cm
      Radius = biameter = 21 = 10.5 cm
     Surface Area = 4\pi x^2 = 4\pi x (10.5)^2 = 4x \frac{32}{7} \times 10.5^2
(11) biameter = 3.5cm
                                   = 1386 cm2
     radius = 3.5cm/2 = 1.75cm*
     : Surface Area = 41182 = 4×22× \frac{3.5^2}{7} = 38.5cm<sup>2</sup>
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Solution -3 :-

the surface Area of the hemisphere = 211 x -

= 2+3.14×(10)2

 $= 628 \text{ cm}^2$ 

The surface Area of solid hemis phere = 3 TT.

= 3×3-14×(10)2

= 942cm2

Solution -4:-

subface Area of a sphere is 5544cm2

 $\Rightarrow 4\pi x^{2} = 5544$   $\Rightarrow 4\frac{x^{2}}{7}x^{2} = 5544$   $\Rightarrow 3^{2} = 5544x7$   $\Rightarrow 5^{2} = 5544x7$ 

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