1. Two cubes of volume 64 cm^3 joined end to end. The surface area of the resulting cuboid is:
   A. 352 cm^2
   B. 366 cm^2
   C. 380 cm^2
   D. 396 cm^2 (B)

Explanation : The surface area is calculated by considering the resulting cuboid's dimensions.

2. A hollow hemisphere and cylinder vessel with diameter 14 cm and height 13 cm has an inner surface area of:
   A. 300 cm^2 B. 400 cm^2
   C. 500 cm^2 D. 600 cm^2 (A)

Explanation: The inner surface area involves both the curved surface area of the hemisphere and cylinder.

3. A toy made of a cone and hemisphere, both with radius 3.5 cm and height 15.5 cm. The total surface area is:
   A. 90 cm^2 B. 100 cm^2
   C. 120 cm^2 D. 130 cm^2 (B)

Explanation: The total surface area is the sum of the cone and hemisphere surface areas.

4. A cubical block of side 7 cm has a hemisphere surmounted on it. The greatest diameter of the hemisphere is:
   A. 7 cm B. 14 cm
   C. 21 cm D. 28 cm (B)

Explanation: The diameter of the hemisphere equals the side length of the cube, so it is 14 cm.

5. A hemispherical depression is cut from a cubical block. The surface area of the remaining solid is:
   A. 196 cm^2 B. 256 cm^2
   C. 300 cm^2 D. 324 cm^2 (B)

Explanation : The surface area is calculated by subtracting the area of the hemisphere's base from the cube's face.

6. A medicine capsule is shaped like a cylinder with two hemispheres at each end. The surface area is:
   A. 75 mm^2
   B. 90 mm^2
   C. 100 mm^2
   D. 120 mm^2 (B)

Explanation : The surface area is the sum of the lateral surface areas of the cylinder and two hemispheres.

7. A tent has a cylindrical base and conical top. The area of canvas used is:
   A. 45.5 m^2 B. 50.5 m^2
   C. 55.5 m^2 D. 60.5 m^2 (A)

Explanation : The area is the sum of the lateral areas of the cone and cylinder, excluding the base.

8. A cylinder with a conical cavity has a total surface area of:
   A. 16 cm^2 B. 18 cm^2
   C. 20 cm^2 D. 22 cm^2 (B)

Explanation : The surface area is the sum of the cylinder's curved surface and the conical surface, minus the base.

9. A wooden article is made by scooping a hemisphere from each end of a solid cylinder. The total surface area is:
   A. 300 cm^2
   B. 350 cm^2
   C. 400 cm^2
   D. 450 cm^2 (A)

Explanation : The surface area involves the cylinder's curved surface and the two hemispherical surfaces.

10. A sphere with radius 7 cm has a surface area of:
    A. 154 cm^2 B. 196 cm^2
    C. 220 cm^2 D. 250 cm^2 (B)

Explanation : The surface area of the sphere is $4\pi r^2 = 196\ cm^2$.