

Choose the correct option in the following questions.

22) The volume of a cylinder is 300m^3 . Then the volume of a cone having the same radius and height has that of the cylinder is

- A) 900 m^3 B) 600 m^3 C) 150 m^3 D) 100 m^3

23) The surface area of a sphere of radius 7 cm is

- A) 154 cm^2 B) 308 cm^2 C) 616 cm^2 D) 770 cm^2

24) The curved surface area of a hemisphere of radius 14 cm

- A) 1232 cm^2 B) 308 cm^2 C) 616 cm^2 D) 2464 cm^2

25) If the volume of a cone is 300 m^3 then the volume of a cylinder having same radius and same height as that of cylinder is

- A) 900 m^3 B) 600 m^3 C) 150 m^3 D) 100 m^3

27) The surface area of a sphere is 616 cm^2 . Its radius is

- A) 7 cm B) 14 cm C) 21 cm D) 28 cm

28) If two solid hemispheres of same radius are joined together along their bases. The surface area of this new solid is

- A) $3\pi r^2$ B) $4\pi r^2$ C) $5\pi r^2$ D) $6\pi r^2$

29) A cylinder and cone are of same base, radius and height. Then the ratio of their volume is

- A) 2:1 B) 3:1 C) 2:3 D) 3:2

30) A solid has been melted and recast into a wire. Which of the following remains same.

- A) Length B) Volume C) Radius D) Height

32) The slant height of a cone having radius 5cm and height 12 cm is

- A) 6 cm B) 9 cm C) 11 cm D) 13 cm

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