

Choose the correct option from the following questions.

- 11) The formula to find total surface area of a sphere having radius "r" is
A) πr^2 B) $2\pi r^2$ C) $3\pi r^2$ D) $4\pi r^2$
- 12) The formula to find volume of sphere having radius "r" is
A) $4\pi r^2$ B) $\frac{4}{3}\pi r^3$ C) $\frac{2}{3}\pi r^3$ D) $\pi r^2 h$
- 13) The relationship between radius "r" and height "h" and slant height "l" of a cone is
A) $l^2 = r^2 + h^2$ B) $r^2 = l^2 + h^2$ C) $l^2 = r^2 - h^2$ D) $h = r^2 + l^2$
- 14) The surface area of a sphere is 616 sq.m. The surface area of its hemisphere is
A) 205.6 cm^2 B) 308 cm^2 C) 1232 cm^2 D) 38 cm^2
- 15) The surface area of a sphere is 2464 sq.m. The surface area of its hemisphere is
A) 205.6 cm^2 B) 308 cm^2 C) 1232 cm^2 D) 38 cm^2
- 16) The perimeter of the base of a right circular cylinder is 44 cm and its height is 10 cm. Then its volume is
A) $490\pi \text{ cm}^3$ B) $440\pi \text{ cm}^3$ C) $374\pi \text{ cm}^3$ D) $980\pi \text{ cm}^3$
- 17) Prepare a cone from "model clay". When wet, cut it with a knife parallel to its base, remove the smaller cone obtained. The solid left is a
A) Cylinder B) Cone C) Sphere D) Frustum of a cone
- 18) The perimeter of the base of a right circular cylinder is 44 cm and its height is 10 cm. Then its lateral surface area is
A) 490 cm^2 B) 440 cm^2 C) 374 cm^2 D) 220 cm^2

Subject Teacher: Govinda Paudel

Skyrider Higher Secondary English Boarding School, R.N.P.-13, Chitwan.

contd...