

MULTIPLE CHOICE QUESTIONS FOR PRACTICE

SUBJECT: MATHEMATICS UNIT: SURFACE AREA AND VOLUME

CLASS:10

STUDENT NAME:

SCHOOL NAME:

Four alternative /choices are given for each incomplete statement or a question. choose the correct answer.

1. The curved surface area of a solid cylinder of radius 'r' cm and height 'h' cm is

- A) $2\pi r(r+h)$ sq cm ☐ B) $2\pi rh$ sq cm ☐ C) πrl sq cm ☐ D) πr^2 sq cm ☐

2. The formula to find total surface area of a cylinder having height "h" and radius "r" is

- A. $2\pi r(r+h)$ ☐ B. $2\pi rh$ ☐ C. πrl ☐ D. πr^2 ☐

3. The formula to find volume of cylinder having height "h" and radius "r"

- A) $2\pi r(r+h)$ ☐ B) $2\pi rh$ ☐ C) $\frac{1}{3}\pi r^2h$ ☐ D) πr^2h ☐

4) The formula to find curved surface area of cone having slant height "l" and radius "r" is

- A) $\pi(r+h)$ ☐ B) $2\pi rh$ ☐ C) πrl ☐ D) $\pi(r+l)$ ☐

5) The formula to find total surface area of cone having slant height "l" and radius "r" is

- A) $\pi(r+h)$ ☐ B) $2\pi rh$ ☐ C) πrl ☐ D) $\pi(r+l)$ ☐

6) The formula to find volume of cone having height "h" and radius "r" is

- A) $4\pi r^2$ ☐ B) $2\pi rh$ ☐ C) $\frac{1}{3}\pi r^2h$ ☐ D) πr^2h ☐

7) The formula to find curved surface area of hemisphere having radius "r" is

- A) πr^2 ☐ B) $2\pi r^2$ ☐ C) $3\pi r^2$ ☐ D) $4\pi r^2$ ☐

8) The formula to find total surface area of hemisphere having radius "r" is

- A) πr^2 ☐ B) $2\pi r^2$ ☐ C) $3\pi r^2$ ☐ D) $4\pi r^2$ ☐

9) The formula to find volume of hemisphere having radius "r" is

- A) $3\pi r^2$ ☐ B) $\frac{4}{3}\pi r^3$ ☐ C) $\frac{2}{3}\pi r^3$ ☐ D) πr^2h ☐

10) The formula to find curved surface area of sphere having radius "r" is

- A) πr^2 ☐ B) $2\pi r^2$ ☐ C) $3\pi r^2$ ☐ D) $4\pi r^2$ ☐

Subject Teacher: Govinda Paudel

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

cont....