Skyrider Higher Secondary English Boarding School, Ratnanagar-13, Chitwan, Nepal

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) $1/3\ \pi r^2h$ ☐ D) πr^2h ☐

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

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

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

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

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) $1/3\ \pi r^2h$ ☐ 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) $4/3\ \pi r^3$ ☐ C) $2/3\ \pi r^3$ ☐ 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) $4\pi r^2$ ☐

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