G.D.GOENKA PUBLIC SCHOOL

Class: 9th **Subject: Mathematics**
Surface area and volume **MCQ Type questions**
Date of issue: 23-08 -2021 **Date of submission 27 Aug.**

1 The perimeter of one face of a cube is 36cm. The volume of cube is

(a) 729 cm^3 (b) 216 cm^3 (c) 54 cm^3 (d) 108 cm^3

2 The volume of cube is 343 cm^3 .Itstotal surface area is

(a) 196 cm^2 (b) 216 cm^2 (c) 251 cm^2 (d) 294 cm^2

3 The length of the longest rod that can be placed in a room of dimensions 10 m x 10 m x 5 m is

(a) 12 m (b) 15m (c) 16 m (d) 5√10 m

4 If each side of cube is doubled, then its volume is

(a)doubled (b)4 times (c) 6 times (d) 8 times

5 In a cylinder ,if the radius is halved and the height is doubled, then the volume will be

(a) same (b) halved (c) doubled (d) four times