	(a) increase by 1				
(b) the same					
(c) double					
(d) triple					
2.	2. What is the total surface area of a cone having radius $\frac{r}{2}$ and height 21?				
	(a) $\pi r \left(1 + \frac{r}{4}\right)$	(b) $\pi r \left(r + \frac{1}{4} \right)$	(c) $\pi r \left(1 + \frac{r}{2}\right)$	(d) $\pi r \left(4 + \frac{1}{2}\right)$	
3. If a right circular cone hs radius 4 cm and slant height 5 cm then what is its volume?					
	(a) $16 \pi \text{cm}^3$				
(b)	$14\pi\;\text{cm}^3$				
(c) $12 \pi \text{cm}^3$					
(d)	(d) $18 \pi \text{cm}^3$				
4. The radius of a hemisphere is r. What is its volume?					
4.	The radius of a hemis	sphere is r. What is its vo	lume?		
4.	The radius of a hemis (a) $\frac{4}{3}\pi r^3$		lume? (c) $4\pi r^3$	(d) 2πr ³	
	(a) $\frac{4}{3}\pi r^3$		(c) 4πr ³	(d) 2πr ³	
	(a) $\frac{4}{3}\pi r^3$	(b) $\frac{2}{3}\pi r^3$	(c) 4πr ³	(d) 2πr ³	
5.	(a) $\frac{4}{3}\pi^3$ What is the total surf	(b) $\frac{2}{3}\pi r^3$	(c) 4πr ³	(d) 2πr ³	
5. (b)	(a) $\frac{4}{3}\pi r^3$ What is the total surf	(b) $\frac{2}{3}\pi r^3$	(c) 4πr ³	(d) 2πr ³	
5. (b) (c)	(a) $\frac{4}{3}\pi r^3$ What is the total surf (a) $4\pi r^2$ πr^2	(b) $\frac{2}{3}\pi r^3$	(c) 4πr ³	(d) 2πr ³	
5. (b) (c) (d)	(a) $\frac{4}{3}\pi r^3$ What is the total surf (a) $4\pi r^2$ πr^2 $2\pi r^2$ $3\pi r^2$	(b) $\frac{2}{3}\pi r^3$	(c) 4πr ³ e of radius r?		
5. (b) (c) (d)	(a) $\frac{4}{3}\pi r^3$ What is the total surf (a) $4\pi r^2$ πr^2 $2\pi r^2$ $3\pi r^2$	(b) $\frac{2}{3}\pi r^3$ face area of a hemisphere	(c) 4πr ³ e of radius r?		
(b)(c)(d)6.	(a) $\frac{4}{3}\pi r^3$ What is the total surf (a) $4\pi r^2$ πr^2 $2\pi r^2$ $3\pi r^2$ If the radius of a spherical surferior is the total surferior in the surferior is the total surferior in the surferior in the surferior is the surferior in the s	(b) $\frac{2}{3}\pi r^3$ face area of a hemisphere	(c) 4πr ³ e of radius r?		
5. (b) (c) (d) 6. (b)	(a) $\frac{4}{3}\pi r^3$ What is the total surf (a) $4\pi r^2$ πr^2 $2\pi r^2$ $3\pi r^2$ If the radius of a spherical (a) 1:2	(b) $\frac{2}{3}\pi r^3$ face area of a hemisphere	(c) 4πr ³ e of radius r?		
5. (b) (c) (d) 6. (b) (c)	(a) $\frac{4}{3}\pi r^3$ What is the total surf (a) $4\pi r^2$ πr^2 $2\pi r^2$ $3\pi r^2$ If the radius of a spherical of the radius of the spherical order	(b) $\frac{2}{3}\pi r^3$ face area of a hemisphere	(c) 4πr ³ e of radius r?		

1. If the radius of cylinder is halved and height is doubled, then what will be the curved surface area?

7. Two right circular cones of equal curved surface areas have slant heights in the ratio of 3 : 5. Find the ratio of their radii.
(a) 4:1
(b) 3:5
(c) 5:3
(d) 4:5
8. In the cylindrical container, the base radius is 8 cm. If the height of the water level is 20 cm, find the volume of the water in the container.
(a) 5.6721 I
(b) 4.0218 I
(c) 3.8925 I
(d) 4.97 l
9. A well with 10 m inside diameter is dug 14m deep. Earth taken out of it is spread all around it to
make an embankment of height $4\frac{2}{3}$ m. Find the width of the embankment.
(a) 5 m
(b) 4 m
(c) 4.3 m
(d) 6 m
Answers
1. (b) 2. (a) 3. (a) 4. (b) 5. (d) 6. (c) 7. (c) 8. (b) 9. (a)