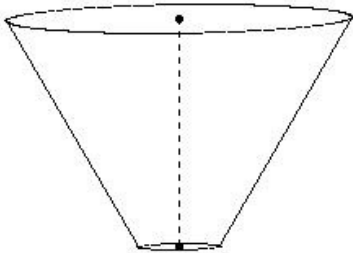




1. The radii of the ends of a frustum of a right circular cone 14.00 cm high are 10.50 cm and 2.50 cm. Its volume is

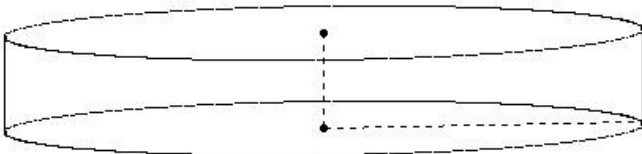


- (i) 2023.67 cu.cm (ii) 1853.67 cu.cm (iii) 2093.67 cu.cm (iv) 2243.67 cu.cm (v) 2133.67 cu.cm

2. A copper rod of diameter 0.40 cm and length 10.00 cm is drawn into a wire of length 3.60 m of uniform thickness. Find the thickness of the wire.

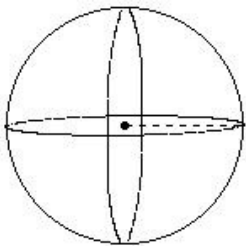
- (i)  $\frac{1}{30}$  cm (ii)  $\frac{2}{15}$  cm (iii)  $\frac{1}{15}$  cm (iv) 0 cm (v)  $\frac{1}{10}$  cm

3. If the height of a cylinder is 6.00 cm and base area is 1257.14 sq.cm, its T.S.A is



- (i) 3268.57 sq.cm (ii) 3188.57 sq.cm (iii) 3138.57 sq.cm (iv) 3498.57 sq.cm (v) 3428.57 sq.cm

4. If the volume of a sphere is 1437.33 cu.cm, its radius is

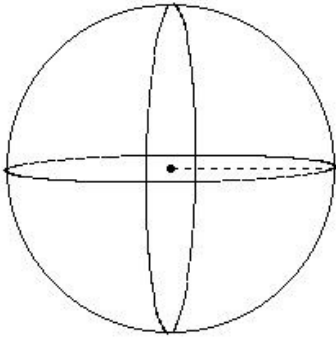


- (i) 6.00 cm (ii) 8.00 cm (iii) 9.00 cm (iv) 5.00 cm (v) 7.00 cm

5. A hollow sphere of internal and external diameters 12.00 cm and 18.00 cm respectively is melted into a cone of base diameter 8.00 cm. Find the height of the cone

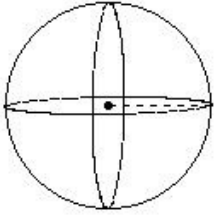
- (i) 128.25 cm (ii) 135.25 cm (iii) 116.25 cm (iv) 153.25 cm (v) 112.25 cm

6. If the L.S.A of a sphere is 1257.14 sq.cm, its T.S.A is



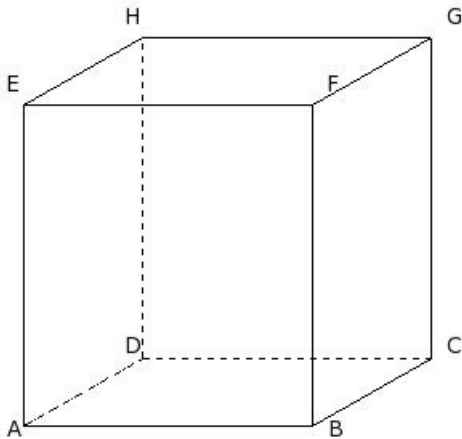
- (i) 1257.14 sq.cm (ii) 997.14 sq.cm (iii) 1337.14 sq.cm (iv) 1127.14 sq.cm (v) 1377.14 sq.cm

7. If the T.S.A of a sphere is 452.57 sq.cm, its L.S.A is



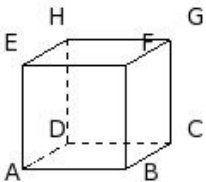
- (i) 452.57 sq.cm (ii) 434.57 sq.cm (iii) 479.57 sq.cm (iv) 467.57 sq.cm (v) 426.57 sq.cm

8. If the breadth, height and T.S.A of a cuboid are 17.00 cm, 20.00 cm and 2012.00 sq.cm respectively, its volume is



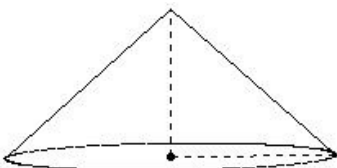
- (i) 6120.00 cu.cm (ii) 5990.00 cu.cm (iii) 6340.00 cu.cm (iv) 5840.00 cu.cm (v) 6180.00 cu.cm

9. If the volume of a cube is 216.00 cu.cm, its T.S.A is



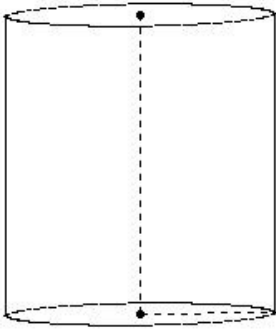
- (i) 243.00 sq.cm (ii) 204.00 sq.cm (iii) 232.00 sq.cm (iv) 216.00 sq.cm (v) 209.00 sq.cm

10. If the base radius of a cone is 10.00 cm and L.S.A is 422.71 sq.cm, its vertical height is



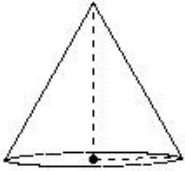
- (i) 10.00 cm (ii) 8.00 cm (iii) 11.00 cm (iv) 9.00 cm (v) 7.00 cm

11. If the radius of a cylinder is 8.00 cm and volume is 3620.57 cu.cm, its T.S.A is



- (i) 1277.43 sq.cm (ii) 1147.43 sq.cm (iii) 1427.43 sq.cm (iv) 1307.43 sq.cm (v) 1467.43 sq.cm

12. If the base radius of a cone is 5.00 cm and slant height is 10.30 cm, its L.S.A. is

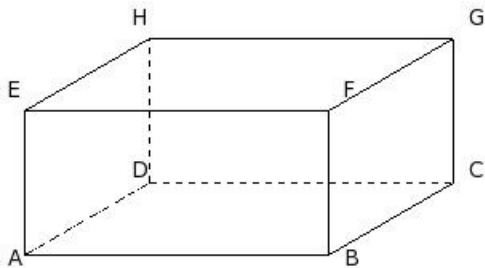


- (i) 168.86 sq.cm (ii) 188.86 sq.cm (iii) 149.86 sq.cm (iv) 161.86 sq.cm (v) 146.86 sq.cm

13. A copper sphere having a radius of 4.00 cm is melted and drawn into a cylindrical wire of radius 0.20 cm. Calculate the length of the wire.

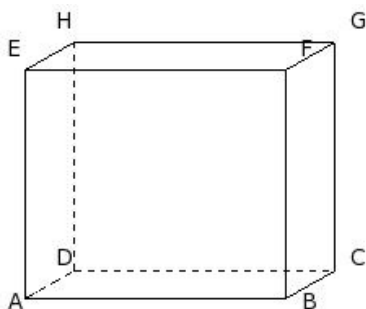
- (i) 24.33 m (ii) 21.33 m (iii) 26.33 m (iv) 18.33 m (v) 16.33 m

14. If the length, breadth and L.S.A of a cuboid are 19.00 cm, 18.00 cm and 666.00 sq.cm respectively, its height is



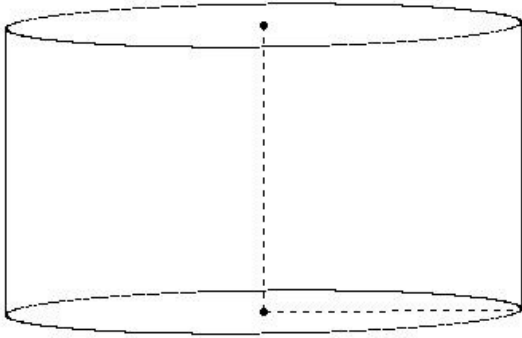
- (i) 9.00 cm (ii) 11.00 cm (iii) 8.00 cm (iv) 7.00 cm (v) 10.00 cm

15. If the breadth, height and L.S.A of a cuboid are 7.00 cm, 14.00 cm and 644.00 sq.cm respectively, its volume is



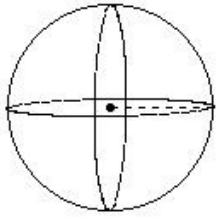
- (i) 1568.00 cu.cm (ii) 1438.00 cu.cm (iii) 1598.00 cu.cm (iv) 1448.00 cu.cm (v) 1818.00 cu.cm

16. If the height of a cylinder is 18.00 cm and volume is 14482.29 cu.cm, its radius is



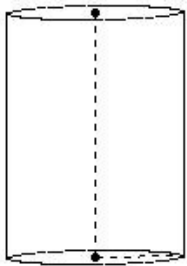
- (i) 16.00 cm (ii) 13.00 cm (iii) 11.00 cm (iv) 21.00 cm (v) 19.00 cm

17. If the volume of a sphere is 905.14 cu.cm, its T.S.A is



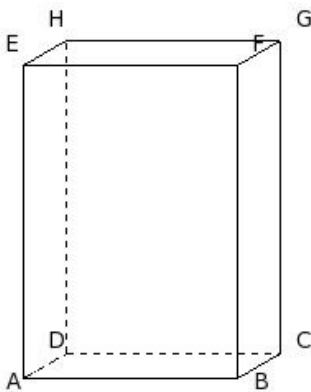
- (i) 470.57 sq.cm (ii) 468.57 sq.cm (iii) 435.57 sq.cm (iv) 452.57 sq.cm

18. If the height of a cylinder is 14.00 cm and L.S.A is 440.00 sq.cm, its radius is



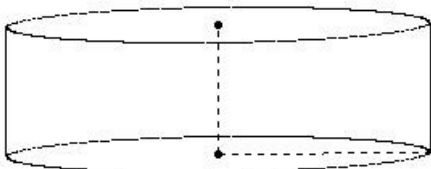
- (i) 7.00 cm (ii) 4.00 cm (iii) 3.00 cm (iv) 6.00 cm (v) 5.00 cm

19. If the length, height and L.S.A of a cuboid are 13.00 cm, 19.00 cm and 722.00 sq.cm respectively, its breadth is



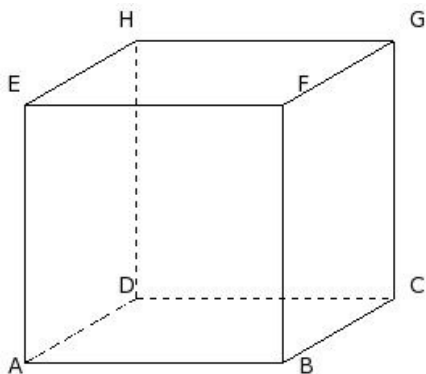
- (i) 5.00 cm (ii) 4.00 cm (iii) 7.00 cm (iv) 8.00 cm (v) 6.00 cm

20. If the radius of a cylinder is 13.00 cm and T.S.A is 1716.00 sq.cm, its L.S.A. is



- (i) 661.71 sq.cm (ii) 628.71 sq.cm (iii) 676.71 sq.cm (iv) 650.71 sq.cm (v) 653.71 sq.cm

21. If the volume of a cube is 4096.00 cu.cm, its side is

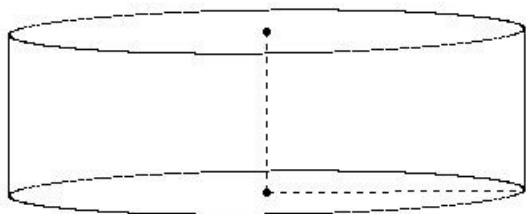


- (i) 21.00 cm (ii) 19.00 cm (iii) 11.00 cm (iv) 13.00 cm (v) 16.00 cm

22. An ice cream container has the shape of a right circular cylinder having inner diameter 28.00 cm and height 38.00 cm . The ice cream is filled into cones of diameter 15.00 cm and height 12.00 cm , having a hemispherical shape on the top. Find the number of such complete cones which can be filled with ice cream

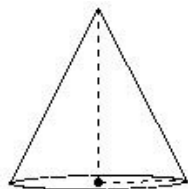
- (i) 11 (ii) 14 (iii) 9 (iv) 17 (v) 19

23. If the height of a cylinder is 10.00 cm and T.S.A is 2614.86 sq.cm, its L.S.A. is



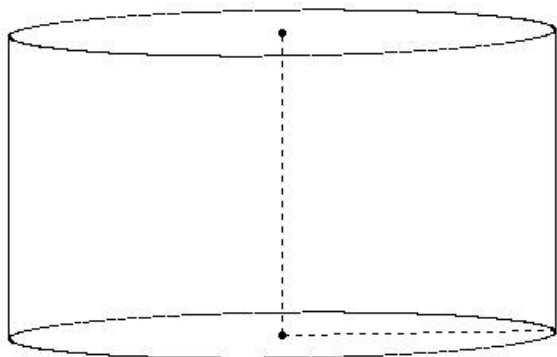
- (i) 825.71 sq.cm (ii) 975.71 sq.cm (iii) 1005.71 sq.cm (iv) 1265.71 sq.cm (v) 1155.71 sq.cm

24. If the base radius of a cone is 5.00 cm and volume is 261.90 cu.cm, its vertical height is



- (i) 7.00 cm (ii) 5.00 cm (iii) 13.00 cm (iv) 10.00 cm (v) 15.00 cm

25. If the height of a cylinder is 19.00 cm and volume is 17257.43 cu.cm, its T.S.A is



- (i) 3846.86 sq.cm (ii) 3866.86 sq.cm (iii) 3726.86 sq.cm (iv) 3996.86 sq.cm (v) 3586.86 sq.cm

## Assignment Key

|          |         |         |          |           |          |
|----------|---------|---------|----------|-----------|----------|
| 1) (iii) | 2) (i)  | 3) (i)  | 4) (v)   | 5) (i)    | 6) (i)   |
| 7) (i)   | 8) (i)  | 9) (iv) | 10) (iv) | 11) (iv)  | 12) (iv) |
| 13) (ii) | 14) (i) | 15) (i) | 16) (i)  | 17) (iv)  | 18) (v)  |
| 19) (v)  | 20) (v) | 21) (v) | 22) (ii) | 23) (iii) | 24) (iv) |
| 25) (i)  |         |         |          |           |          |