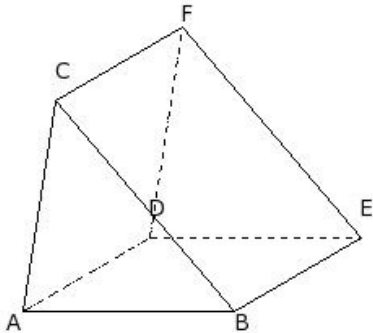


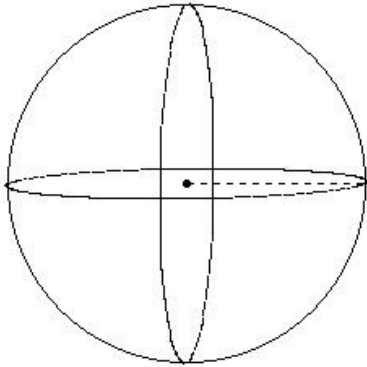


1. If the L.S.A of a triangular prism is 774.00 sq.cm, base area is 83.61 sq.cm and height is 18.00 cm, its T.S.A is



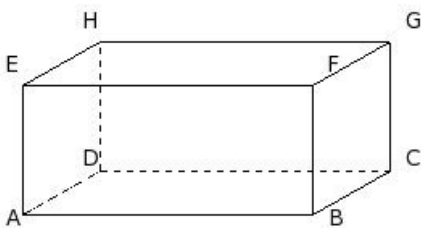
- (i) 926.22 sq.cm (ii) 941.22 sq.cm (iii) 949.22 sq.cm (iv) 954.22 sq.cm (v) 924.22 sq.cm

2. If the L.S.A of a sphere is 1521.14 sq.cm, its T.S.A is



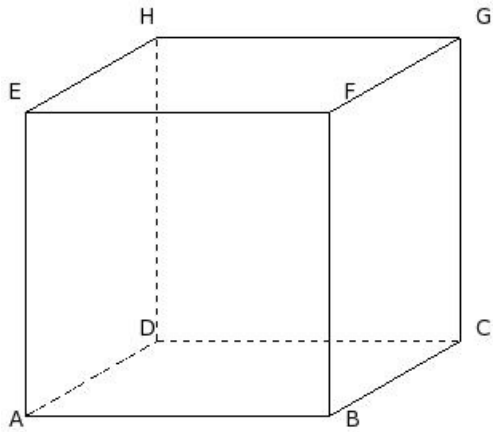
- (i) 1521.14 sq.cm (ii) 1561.14 sq.cm (iii) 1461.14 sq.cm (iv) 1251.14 sq.cm (v) 1701.14 sq.cm

3. If the breadth, height and L.S.A of a cuboid are 11.00 cm, 8.00 cm and 464.00 sq.cm respectively, its T.S.A is



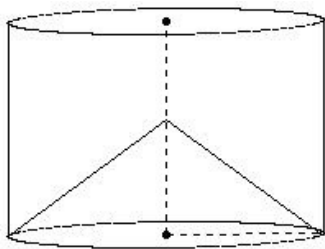
- (i) 875.00 sq.cm (ii) 838.00 sq.cm (iii) 877.00 sq.cm (iv) 860.00 sq.cm (v) 858.00 sq.cm

4. If the L.S.A of a cube is 1444.00 sq.cm, its T.S.A is



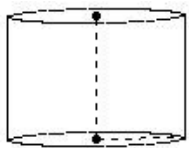
- (i) 2006.00 sq.cm (ii) 2166.00 sq.cm (iii) 2016.00 sq.cm (iv) 2186.00 sq.cm (v) 2396.00 sq.cm

5. From a solid cylinder of height 13.00 cm and base radius 9.50 cm, a conical cavity of height 7.00 cm and base radius 9.50 cm is drilled out. Find the total surface area of the resulting solid



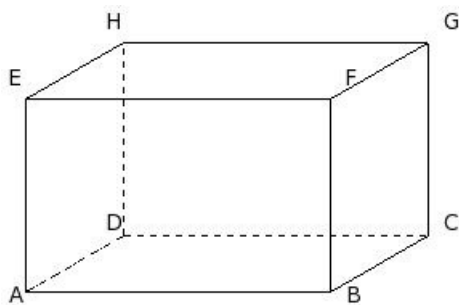
- (i) 1432.24 sq.cm (ii) 1572.24 sq.cm (iii) 1412.24 sq.cm (iv) 1382.24 sq.cm (v) 1182.24 sq.cm

6. If the height of a cylinder is 7.00 cm and base area is 78.57 sq.cm, its volume is



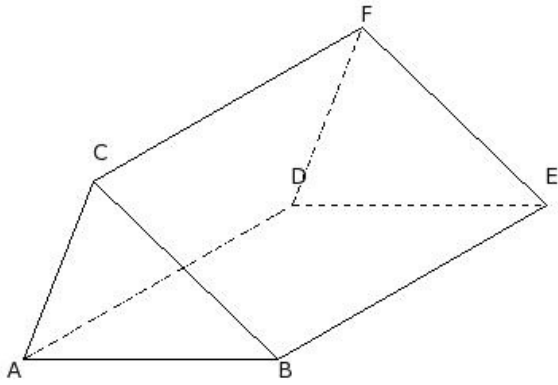
- (i) 550.00 cu.cm (ii) 538.00 cu.cm (iii) 572.00 cu.cm (iv) 556.00 cu.cm (v) 535.00 cu.cm

7. If the length, breadth and height of a cuboid are 19.00 cm, 14.00 cm and 12.00 cm respectively, its volume is



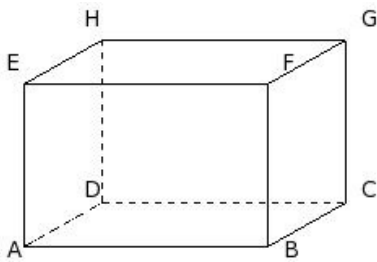
- (i) 3112.00 cu.cm (ii) 3192.00 cu.cm (iii) 3452.00 cu.cm (iv) 3242.00 cu.cm (v) 3032.00 cu.cm

8. If the three sides of a triangular prism are 16.00 cm, 16.00 cm, 12.00 cm and volume is 3470.61 cu.cm, its T.S.A is



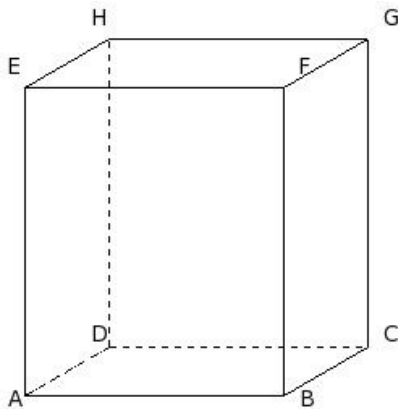
- (i) 1663.98 sq.cm (ii) 2043.98 sq.cm (iii) 1893.98 sq.cm (iv) 1753.98 sq.cm (v) 2023.98 sq.cm

9. If the breadth, height and volume of a cuboid are 11.00 cm, 10.00 cm and 1650.00 cu.cm respectively, its L.S.A is



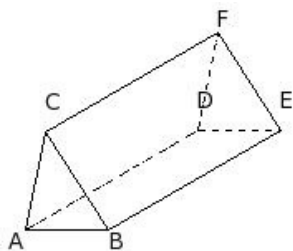
- (i) 536.00 sq.cm (ii) 502.00 sq.cm (iii) 496.00 sq.cm (iv) 538.00 sq.cm (v) 520.00 sq.cm

10. If the breadth, height and volume of a cuboid are 12.00 cm, 19.00 cm and 3648.00 cu.cm respectively, its T.S.A is



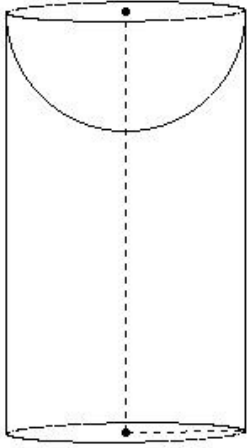
- (i) 1268.00 sq.cm (ii) 1448.00 sq.cm (iii) 1378.00 sq.cm (iv) 1608.00 sq.cm (v) 1688.00 sq.cm

11. If the base perimeter of a triangular prism is 18.00 cm, base area is 14.70 sq.cm and height is 24.00 cm, its L.S.A is



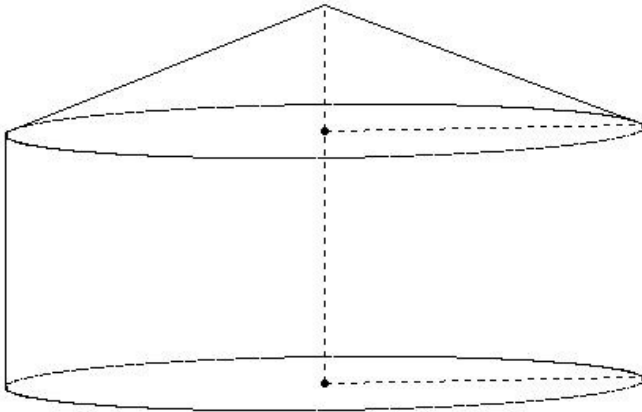
- (i) 415.00 sq.cm (ii) 432.00 sq.cm (iii) 436.00 sq.cm (iv) 418.00 sq.cm (v) 454.00 sq.cm

12. A hemispherical depression is cut out from one face of a cylinder. The height of the cylinder is 25.00 cm and its radius is 7.00 cm. Find the total surface area of the solid



- (i) 1712.00 sq.cm (ii) 1822.00 sq.cm (iii) 1562.00 sq.cm (iv) 1492.00 sq.cm (v) 1402.00 sq.cm

13. A tent is in the form of a cylinder surmounted by a cone., The height of the tent above the ground is 24 m and the height of the cylindrical part is 16.00 m. If the diameter of the base is 40.00 m, find the quantity of canvas required to make the tent. Allow 14% extra for folds and for stitching.

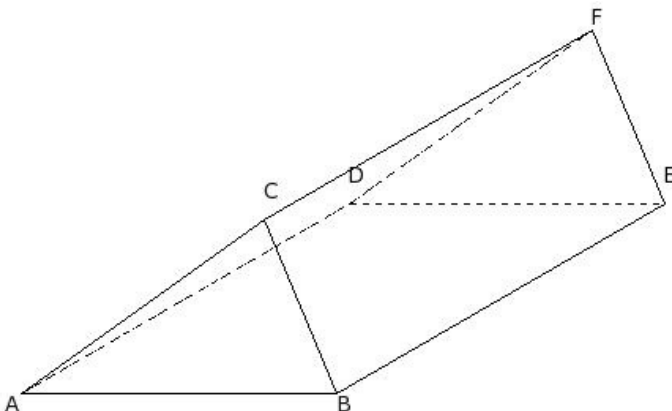


- (i) 3986.52 sq.m (ii) 3616.52 sq.m (iii) 3656.52 sq.m (iv) 4066.52 sq.m (v) 3836.52 sq.m

14. A cylinder with radius 1.00 cm and height 10.00 cm is melted to recast into a cone of height 30.00 cm. Find the radius of the cone.

- (i) 0.00 cm (ii) 9.00 cm (iii) 2.00 cm (iv) 1.00 cm (v) 3.00 cm

15. If the three sides of a triangular prism are 20.00 cm, 12.00 cm, 19.00 cm and T.S.A is 2669.88 sq.cm, its L.S.A is

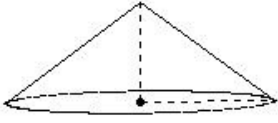


- (i) 2408.00 sq.cm (ii) 2628.00 sq.cm (iii) 2448.00 sq.cm (iv) 2278.00 sq.cm (v) 2478.00 sq.cm

16. A hollow metallic cylindrical tube has an internal radius of 10.00 cm and height 27.00 cm. The thickness of the metal is 0.5 cm. The tube is melted to cast into a right circular cone of height 16.00 cm. Find the radius of the cone.

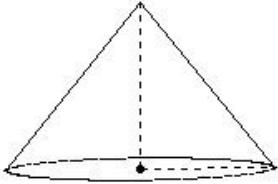
- (i) 8.20 cm (ii) 6.20 cm (iii) 7.20 cm (iv) 5.20 cm (v) 9.20 cm

17. If the base radius of a cone is 8.00 cm and T.S.A is 452.57 sq.cm, its volume is



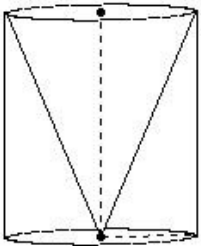
- (i) 409.29 cu.cm (ii) 418.29 cu.cm (iii) 390.29 cu.cm (iv) 402.29 cu.cm (v) 377.29 cu.cm

18. If the base radius of a cone is 8.00 cm and T.S.A is 523.22 sq.cm, its L.S.A. is



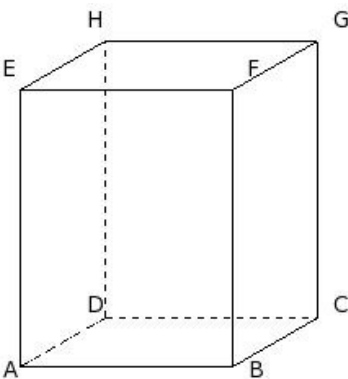
- (i) 336.08 sq.cm (ii) 325.08 sq.cm (iii) 322.08 sq.cm (iv) 306.08 sq.cm (v) 304.08 sq.cm

19. From a circular cylinder of diameter 11.00 cm and height 13.00 cm, a conical cavity of the same base radius and of the same height is hollowed out. Find the total surface area of the remaining solid.



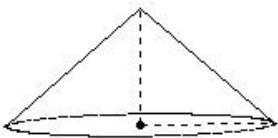
- (i) 805.57 sq.cm (ii) 816.57 sq.cm (iii) 774.57 sq.cm (iv) 763.57 sq.cm (v) 788.57 sq.cm

20. If the length, breadth and T.S.A of a cuboid are 13.00 cm, 12.00 cm and 1162.00 sq.cm respectively, its volume is



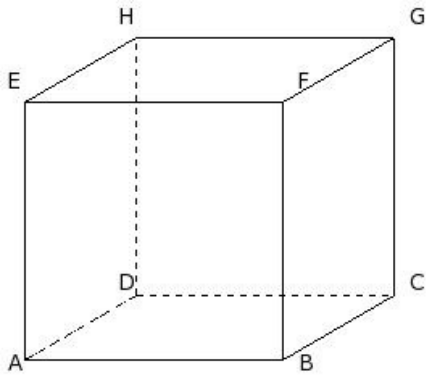
- (i) 2652.00 cu.cm (ii) 2502.00 cu.cm (iii) 2772.00 cu.cm (iv) 2582.00 cu.cm

21. If the slant height of a cone is 10.63 cm and T.S.A is 468.41 sq.cm, its volume is



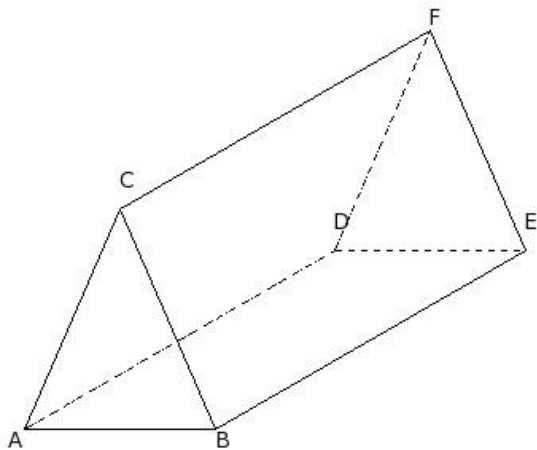
- (i) 463.33 cu.cm (ii) 486.33 cu.cm (iii) 442.33 cu.cm (iv) 481.33 cu.cm (v) 469.33 cu.cm

22. If the T.S.A of a cube is 1536.00 sq.cm, its L.S.A is



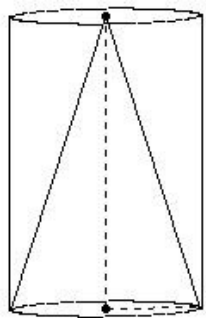
- (i) 1254.00 sq.cm (ii) 904.00 sq.cm (iii) 1024.00 sq.cm (iv) 764.00 sq.cm (v) 1054.00 sq.cm

23. If the three sides of a triangular prism are 12.00 cm, 15.00 cm, 15.00 cm and L.S.A is 1890.00 sq.cm, its volume is



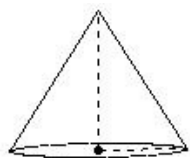
- (i) 3492.05 cu.cm (ii) 3662.05 cu.cm (iii) 3842.05 cu.cm (iv) 3712.05 cu.cm (v) 3972.05 cu.cm

24. From a circular cylinder of diameter 11.00 cm and height 17.00 cm, a conical cavity of the same base radius and of the same height is hollowed out. Find the volume of the remaining solid.



- (i) 1077.48 cu.cm (ii) 1317.48 cu.cm (iii) 1107.48 cu.cm (iv) 1007.48 cu.cm (v) 817.48 cu.cm

25. If the base radius of a cone is 5.00 cm and volume is 209.52 cu.cm, its L.S.A. is



- (i) 156.19 sq.cm (ii) 163.19 sq.cm (iii) 131.19 sq.cm (iv) 148.19 sq.cm (v) 134.19 sq.cm

Assignment Key

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