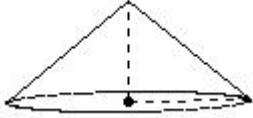


EduSahara™ Learning Center Assignment

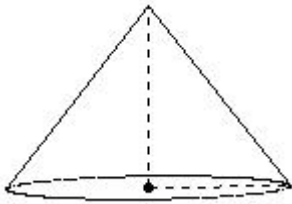
Grade : Class X, ICSE
Chapter : Cone and Sphere
Name : Cone Basics

1. If the base radius of a cone is 6.00 cm and vertical height is 5.00 cm, its slant height is



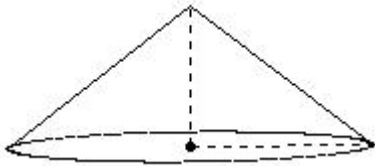
- (i) 9.81 cm (ii) 5.81 cm (iii) 8.81 cm (iv) 6.81 cm (v) 7.81 cm
-

2. If the base radius of a cone is 7.00 cm and vertical height is 9.00 cm, its L.S.A. is



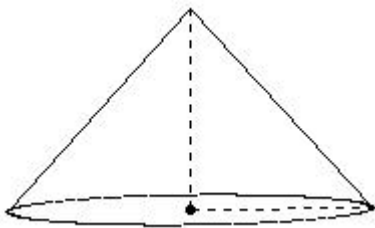
- (i) 234.80 sq.cm (ii) 268.80 sq.cm (iii) 250.80 sq.cm (iv) 248.80 sq.cm (v) 263.80 sq.cm
-

3. If the base radius of a cone is 9.00 cm and vertical height is 7.00 cm, its base area is



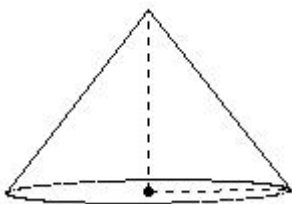
- (i) 254.57 sq.cm (ii) 252.57 sq.cm (iii) 271.57 sq.cm (iv) 228.57 sq.cm (v) 276.57 sq.cm
-

4. If the base radius of a cone is 9.00 cm and vertical height is 10.00 cm, its T.S.A is



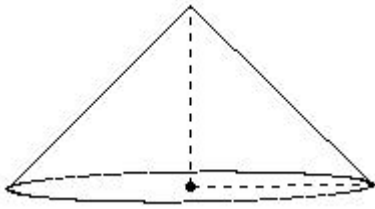
- (i) 657.01 sq.cm (ii) 651.01 sq.cm (iii) 635.01 sq.cm (iv) 623.01 sq.cm (v) 630.01 sq.cm
-

5. If the base radius of a cone is 7.00 cm and vertical height is 9.00 cm, its volume is



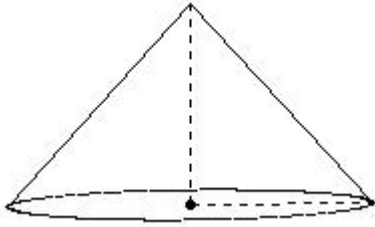
- (i) 462.00 cu.cm (ii) 479.00 cu.cm (iii) 477.00 cu.cm (iv) 439.00 cu.cm (v) 450.00 cu.cm
-

6. If the slant height of a cone is 12.73 cm and vertical height is 9.00 cm, its base radius is



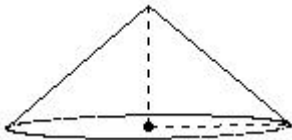
- (i) 9.00 cm (ii) 7.00 cm (iii) 8.00 cm (iv) 11.00 cm (v) 10.00 cm

7. If the slant height of a cone is 13.45 cm and vertical height is 10.00 cm, its L.S.A. is



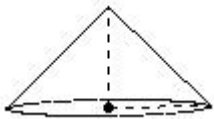
- (i) 402.44 sq.cm (ii) 366.44 sq.cm (iii) 375.44 sq.cm (iv) 380.44 sq.cm (v) 387.44 sq.cm

8. If the slant height of a cone is 9.22 cm and vertical height is 6.00 cm, its base area is



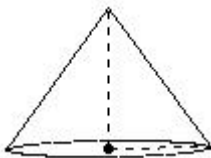
- (i) 158.00 sq.cm (ii) 172.00 sq.cm (iii) 127.00 sq.cm (iv) 147.00 sq.cm (v) 154.00 sq.cm

9. If the slant height of a cone is 7.07 cm and vertical height is 5.00 cm, its T.S.A is



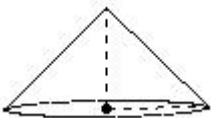
- (i) 175.67 sq.cm (ii) 189.67 sq.cm (iii) 204.67 sq.cm (iv) 203.67 sq.cm (v) 162.67 sq.cm

10. If the slant height of a cone is 8.60 cm and vertical height is 7.00 cm, its volume is



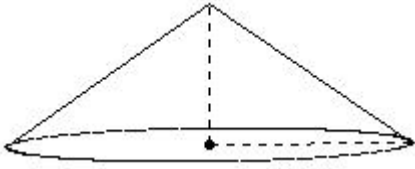
- (i) 195.33 cu.cm (ii) 168.33 cu.cm (iii) 161.33 cu.cm (iv) 183.33 cu.cm (v) 189.33 cu.cm

11. If the base radius of a cone is 5.00 cm and slant height is 7.07 cm, its vertical height is



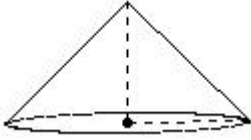
- (i) 7.00 cm (ii) 4.00 cm (iii) 3.00 cm (iv) 5.00 cm (v) 6.00 cm

12. If the base radius of a cone is 10.00 cm and slant height is 12.21 cm, its L.S.A. is



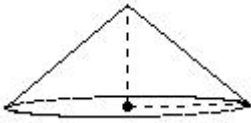
- (i) 395.74 sq.cm (ii) 390.74 sq.cm (iii) 379.74 sq.cm (iv) 383.74 sq.cm (v) 368.74 sq.cm

13. If the base radius of a cone is 6.00 cm and slant height is 8.49 cm, its base area is



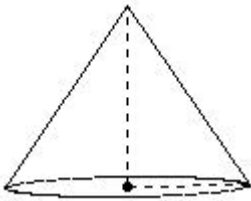
- (i) 131.14 sq.cm (ii) 88.14 sq.cm (iii) 113.14 sq.cm (iv) 95.14 sq.cm (v) 130.14 sq.cm

14. If the base radius of a cone is 6.00 cm and slant height is 7.81 cm, its T.S.A is



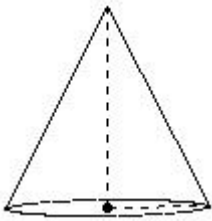
- (i) 252.42 sq.cm (ii) 260.42 sq.cm (iii) 278.42 sq.cm (iv) 277.42 sq.cm (v) 233.42 sq.cm

15. If the base radius of a cone is 6.00 cm and slant height is 10.82 cm, its volume is



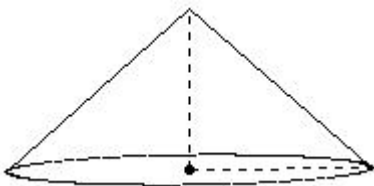
- (i) 321.43 cu.cm (ii) 323.43 cu.cm (iii) 339.43 cu.cm (iv) 355.43 cu.cm (v) 356.43 cu.cm

16. If the base radius of a cone is 5.00 cm and L.S.A is 175.69 sq.cm, its vertical height is



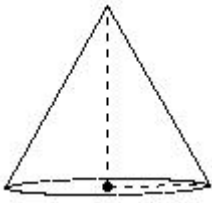
- (i) 15.00 cm (ii) 13.00 cm (iii) 7.00 cm (iv) 10.00 cm (v) 5.00 cm

17. If the base radius of a cone is 9.00 cm and L.S.A is 340.56 sq.cm, its slant height is



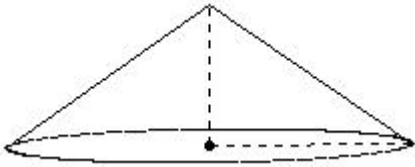
- (i) 17.04 cm (ii) 9.04 cm (iii) 7.04 cm (iv) 15.04 cm (v) 12.04 cm

18. If the base radius of a cone is 5.00 cm and L.S.A is 161.86 sq.cm, its base area is



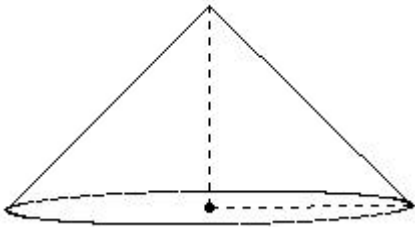
- (i) 83.57 sq.cm (ii) 73.57 sq.cm (iii) 78.57 sq.cm (iv) 81.57 sq.cm (v) 75.57 sq.cm

19. If the base radius of a cone is 10.00 cm and L.S.A is 383.74 sq.cm, its T.S.A is



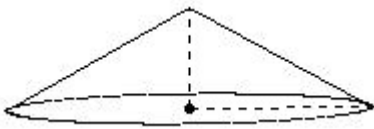
- (i) 724.03 sq.cm (ii) 698.03 sq.cm (iii) 716.03 sq.cm (iv) 681.03 sq.cm

20. If the base radius of a cone is 10.00 cm and L.S.A is 444.40 sq.cm, its volume is



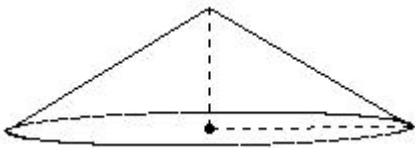
- (i) 907.62 cu.cm (ii) 867.62 cu.cm (iii) 1217.62 cu.cm (iv) 1047.62 cu.cm (v) 1187.62 cu.cm

21. If the slant height of a cone is 10.30 cm and L.S.A is 291.34 sq.cm, its base radius is



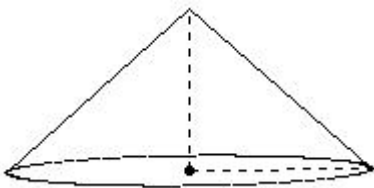
- (i) 10.00 cm (ii) 7.00 cm (iii) 9.00 cm (iv) 11.00 cm (v) 8.00 cm

22. If the slant height of a cone is 11.66 cm and L.S.A is 366.46 sq.cm, its vertical height is



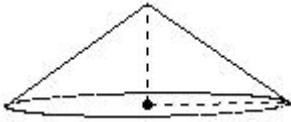
- (i) 5.00 cm (ii) 8.00 cm (iii) 6.00 cm (iv) 4.00 cm (v) 7.00 cm

23. If the slant height of a cone is 12.04 cm and L.S.A is 340.56 sq.cm, its base area is



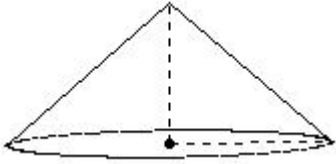
- (i) 257.57 sq.cm (ii) 270.57 sq.cm (iii) 246.57 sq.cm (iv) 237.57 sq.cm (v) 254.57 sq.cm

24. If the slant height of a cone is 8.60 cm and L.S.A is 189.20 sq.cm, its T.S.A is



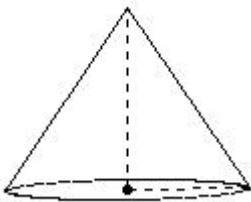
- (i) 359.20 sq.cm (ii) 360.20 sq.cm (iii) 330.20 sq.cm (iv) 331.20 sq.cm (v) 343.20 sq.cm

25. If the slant height of a cone is 10.63 cm and L.S.A is 267.27 sq.cm, its volume is



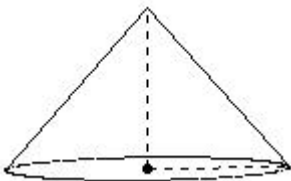
- (i) 494.33 cu.cm (ii) 469.33 cu.cm (iii) 452.33 cu.cm (iv) 475.33 cu.cm (v) 455.33 cu.cm

26. If the base radius of a cone is 6.00 cm and T.S.A is 317.18 sq.cm, its vertical height is



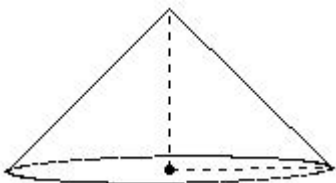
- (i) 11.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 8.00 cm (v) 9.00 cm

27. If the base radius of a cone is 7.00 cm and T.S.A is 387.86 sq.cm, its slant height is



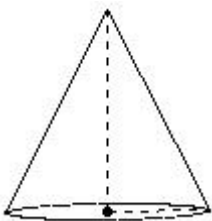
- (i) 13.63 cm (ii) 15.63 cm (iii) 7.63 cm (iv) 10.63 cm (v) 5.63 cm

28. If the base radius of a cone is 8.00 cm and T.S.A is 485.51 sq.cm, its L.S.A. is



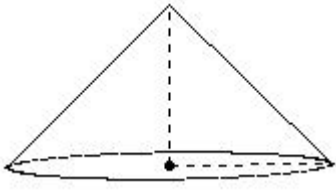
- (i) 277.37 sq.cm (ii) 259.37 sq.cm (iii) 284.37 sq.cm (iv) 292.37 sq.cm (v) 312.37 sq.cm

29. If the base radius of a cone is 5.00 cm and T.S.A is 254.26 sq.cm, its base area is



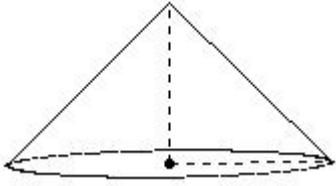
- (i) 81.57 sq.cm (ii) 83.57 sq.cm (iii) 78.57 sq.cm (iv) 73.57 sq.cm (v) 75.57 sq.cm

30. If the base radius of a cone is 8.00 cm and T.S.A is 485.51 sq.cm, its volume is



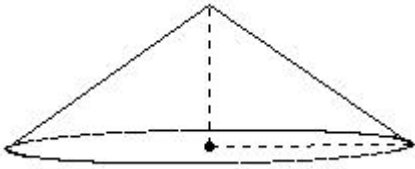
- (i) 536.38 cu.cm (ii) 550.38 cu.cm (iii) 554.38 cu.cm (iv) 524.38 cu.cm (v) 533.38 cu.cm

31. If the slant height of a cone is 11.31 cm and T.S.A is 485.51 sq.cm, its base radius is



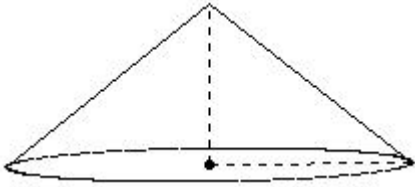
- (i) 8.00 cm (ii) 6.00 cm (iii) 7.00 cm (iv) 9.00 cm (v) 10.00 cm

32. If the slant height of a cone is 12.21 cm and T.S.A is 698.03 sq.cm, its vertical height is



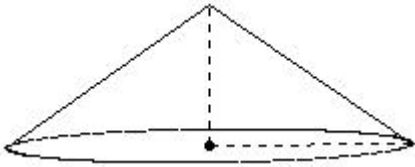
- (i) 5.00 cm (ii) 8.00 cm (iii) 6.00 cm (iv) 7.00 cm (v) 9.00 cm

33. If the slant height of a cone is 12.81 cm and T.S.A is 716.89 sq.cm, its L.S.A. is



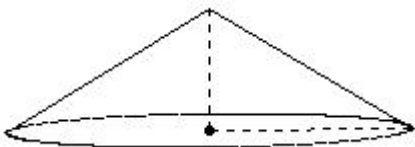
- (i) 428.60 sq.cm (ii) 408.60 sq.cm (iii) 402.60 sq.cm (iv) 385.60 sq.cm (v) 399.60 sq.cm

34. If the slant height of a cone is 12.21 cm and T.S.A is 698.03 sq.cm, its base area is



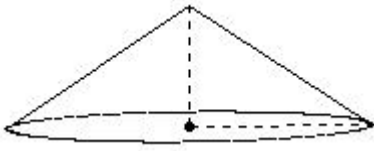
- (i) 297.29 sq.cm (ii) 338.29 sq.cm (iii) 314.29 sq.cm (iv) 316.29 sq.cm (v) 311.29 sq.cm

35. If the slant height of a cone is 11.66 cm and T.S.A is 680.74 sq.cm, its volume is



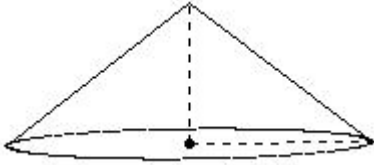
- (i) 606.57 cu.cm (ii) 641.57 cu.cm (iii) 628.57 cu.cm (iv) 613.57 cu.cm (v) 640.57 cu.cm

36. If the base radius of a cone is 9.00 cm and volume is 509.14 cu.cm, its vertical height is



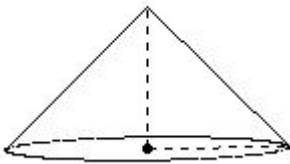
- (i) 7.00 cm (ii) 5.00 cm (iii) 4.00 cm (iv) 8.00 cm (v) 6.00 cm

37. If the base radius of a cone is 9.00 cm and volume is 594.00 cu.cm, its slant height is



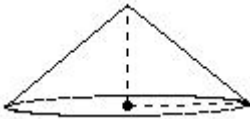
- (i) 16.40 cm (ii) 6.40 cm (iii) 14.40 cm (iv) 8.40 cm (v) 11.40 cm

38. If the base radius of a cone is 7.00 cm and volume is 359.33 cu.cm, its L.S.A. is



- (i) 232.80 sq.cm (ii) 219.80 sq.cm (iii) 217.80 sq.cm (iv) 213.80 sq.cm (v) 195.80 sq.cm

39. If the base radius of a cone is 6.00 cm and volume is 188.57 cu.cm, its base area is



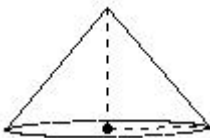
- (i) 97.14 sq.cm (ii) 113.14 sq.cm (iii) 128.14 sq.cm (iv) 131.14 sq.cm (v) 100.14 sq.cm

40. If the base radius of a cone is 9.00 cm and volume is 509.14 cu.cm, its T.S.A is



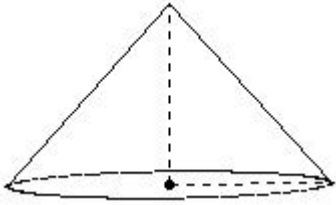
- (i) 576.62 sq.cm (ii) 537.62 sq.cm (iii) 577.62 sq.cm (iv) 545.62 sq.cm (v) 560.62 sq.cm

41. If the vertical height of a cone is 6.00 cm and volume is 157.14 cu.cm, its base radius is



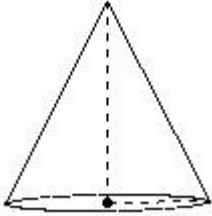
- (i) 5.00 cm (ii) 4.00 cm (iii) 6.00 cm (iv) 3.00 cm (v) 7.00 cm

42. If the vertical height of a cone is 9.00 cm and volume is 603.43 cu.cm, its slant height is



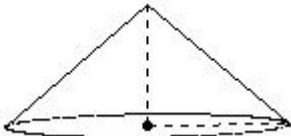
- (i) 9.04 cm (ii) 17.04 cm (iii) 15.04 cm (iv) 12.04 cm (v) 7.04 cm
-

43. If the vertical height of a cone is 10.00 cm and volume is 261.90 cu.cm, its L.S.A. is



- (i) 191.69 sq.cm (ii) 179.69 sq.cm (iii) 163.69 sq.cm (iv) 167.69 sq.cm (v) 175.69 sq.cm
-

44. If the vertical height of a cone is 6.00 cm and volume is 308.00 cu.cm, its base area is



- (i) 181.00 sq.cm (ii) 166.00 sq.cm (iii) 137.00 sq.cm (iv) 152.00 sq.cm (v) 154.00 sq.cm
-

45. If the vertical height of a cone is 6.00 cm and volume is 402.29 cu.cm, its T.S.A is



- (i) 435.57 sq.cm (ii) 460.57 sq.cm (iii) 452.57 sq.cm (iv) 429.57 sq.cm (v) 478.57 sq.cm
-

Assignment Key

- 1) (v)
- 2) (iii)
- 3) (i)
- 4) (iii)
- 5) (i)
- 6) (i)
- 7) (iv)
- 8) (v)
- 9) (ii)
- 10) (iv)
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- 33) (iii)
- 34) (iii)
- 35) (iii)
- 36) (v)
- 37) (v)
- 38) (iii)
- 39) (ii)
- 40) (v)
- 41) (i)
- 42) (iv)
- 43) (v)
- 44) (v)
- 45) (iii)