EduSahara™ Assignment

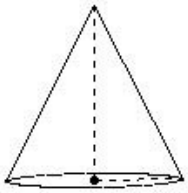
Name : Cone Basics

Chapter : Cone and Sphere

Grade : ICSE Grade X

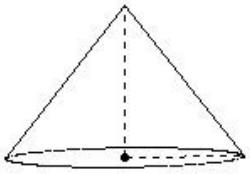
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1. If the base radius of a cone is 5.00 cm and vertical height is 10.00 cm, its slant height is



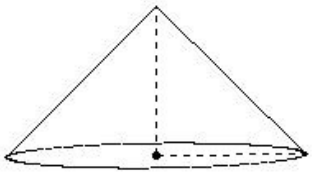
(i) 6.18 cm (ii) 16.18 cm (iii) 8.18 cm (iv) 11.18 cm (v) 14.18 cm

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



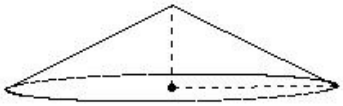
(i) 264.80 sq.cm (ii) 250.80 sq.cm (iii) 252.80 sq.cm (iv) 223.80 sq.cm (v) 238.80 sq.cm

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



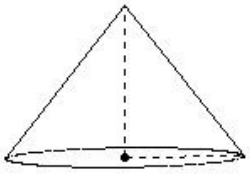
(i) 260.57 sq.cm (ii) 282.57 sq.cm (iii) 254.57 sq.cm (iv) 242.57 sq.cm (v) 237.57 sq.cm

4. If the base radius of a cone is 10.00 cm and vertical height is 5.00 cm, its T.S.A is



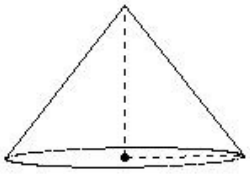
(i) 662.66 sq.cm (ii) 677.66 sq.cm (iii) 672.66 sq.cm (iv) 641.66 sq.cm (v) 665.66 sq.cm

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



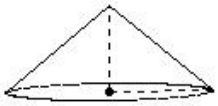
(i) 466.00 cu.cm (ii) 454.00 cu.cm (iii) 449.00 cu.cm (iv) 462.00 cu.cm (v) 490.00 cu.cm

6. If the slant height of a cone is 11.40 cm and vertical height is 9.00 cm, its base radius is



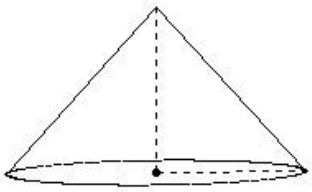
(i) 5.00 cm (ii) 6.00 cm (iii) 8.00 cm (iv) 9.00 cm (v) 7.00 cm

7. If the slant height of a cone is 7.81 cm and vertical height is 5.00 cm, its L.S.A. is



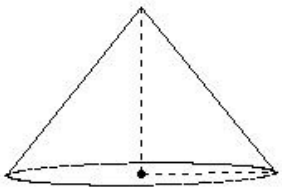
(i) 151.27 sq.cm (ii) 124.27 sq.cm (iii) 147.27 sq.cm (iv) 129.27 sq.cm (v) 171.27 sq.cm

8. If the slant height of a cone is 13.45 cm and vertical height is 10.00 cm, its base area is



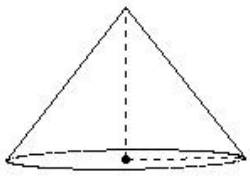
(i) 278.57 sq.cm (ii) 254.57 sq.cm (iii) 256.57 sq.cm (iv) 231.57 sq.cm (v) 246.57 sq.cm

9. If the slant height of a cone is 12.81 cm and vertical height is 10.00 cm, its T.S.A is



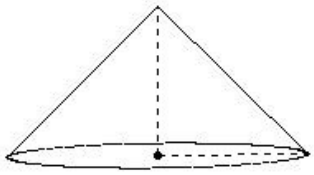
(i) 539.22 sq.cm (ii) 509.22 sq.cm (iii) 505.22 sq.cm (iv) 526.22 sq.cm (v) 523.22 sq.cm

10. If the slant height of a cone is 11.40 cm and vertical height is 9.00 cm, its volume is



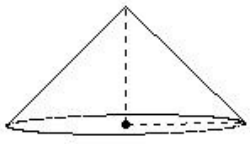
(i) 468.00 cu.cm (ii) 462.00 cu.cm (iii) 454.00 cu.cm (iv) 474.00 cu.cm (v) 448.00 cu.cm

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



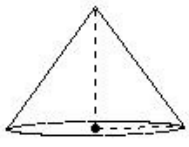
(i) 11.00 cm (ii) 8.00 cm (iii) 10.00 cm (iv) 9.00 cm (v) 7.00 cm

12. If the base radius of a cone is 7.00 cm and slant height is 9.90 cm, its L.S.A. is



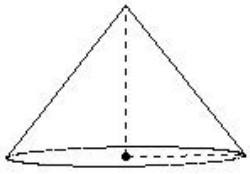
(i) 215.80 sq.cm (ii) 231.80 sq.cm (iii) 200.80 sq.cm (iv) 217.80 sq.cm (v) 230.80 sq.cm

13. If the base radius of a cone is 5.00 cm and slant height is 8.60 cm, its base area is



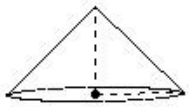
(i) 75.57 sq.cm (ii) 78.57 sq.cm (iii) 73.57 sq.cm (iv) 83.57 sq.cm (v) 81.57 sq.cm

14. If the base radius of a cone is 7.00 cm and slant height is 11.40 cm, its T.S.A is



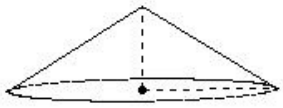
(i) 431.80 sq.cm (ii) 388.80 sq.cm (iii) 404.80 sq.cm (iv) 422.80 sq.cm (v) 396.80 sq.cm

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



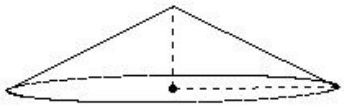
(i) 133.95 cu.cm (ii) 107.95 cu.cm (iii) 118.95 cu.cm (iv) 130.95 cu.cm (v) 156.95 cu.cm

16. If the base radius of a cone is 8.00 cm and L.S.A is 237.10 sq.cm, its vertical height is



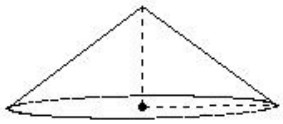
(i) 4.00 cm (ii) 6.00 cm (iii) 5.00 cm (iv) 7.00 cm (v) 3.00 cm

17. If the base radius of a cone is 10.00 cm and L.S.A is 351.37 sq.cm, its slant height is



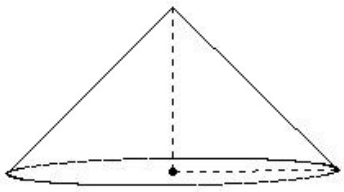
(i) 6.18 cm (ii) 14.18 cm (iii) 16.18 cm (iv) 8.18 cm (v) 11.18 cm

18. If the base radius of a cone is 8.00 cm and L.S.A is 251.43 sq.cm, its base area is



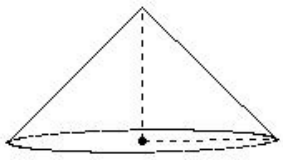
(i) 223.14 sq.cm (ii) 201.14 sq.cm (iii) 183.14 sq.cm (iv) 185.14 sq.cm (v) 217.14 sq.cm

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



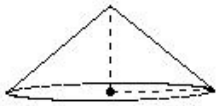
(i) 742.69 sq.cm (ii) 758.69 sq.cm (iii) 750.69 sq.cm (iv) 772.69 sq.cm (v) 776.69 sq.cm

20. If the base radius of a cone is 8.00 cm and L.S.A is 284.37 sq.cm, its volume is



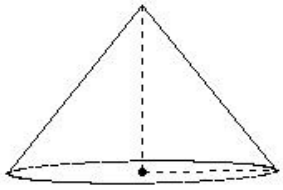
(i) 534.38 cu.cm (ii) 563.38 cu.cm (iii) 520.38 cu.cm (iv) 551.38 cu.cm (v) 536.38 cu.cm

21. If the slant height of a cone is 7.81 cm and L.S.A is 147.27 sq.cm, its base radius is



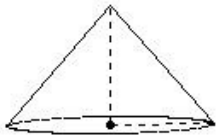
(i) 6.00 cm (ii) 5.00 cm (iii) 8.00 cm (iv) 4.00 cm (v) 7.00 cm

22. If the slant height of a cone is 12.81 cm and L.S.A is 322.08 sq.cm, its vertical height is



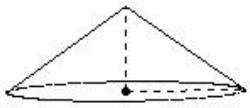
(i) 15.00 cm (ii) 7.00 cm (iii) 10.00 cm (iv) 5.00 cm (v) 13.00 cm

23. If the slant height of a cone is 9.22 cm and L.S.A is 173.86 sq.cm, its base area is



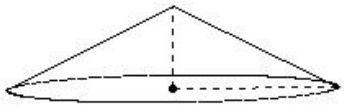
(i) 137.14 sq.cm (ii) 96.14 sq.cm (iii) 121.14 sq.cm (iv) 113.14 sq.cm (v) 99.14 sq.cm

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



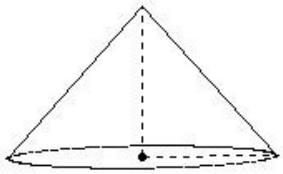
(i) 336.20 sq.cm (ii) 361.20 sq.cm (iii) 343.20 sq.cm (iv) 357.20 sq.cm (v) 330.20 sq.cm

25. If the slant height of a cone is 11.18 cm and L.S.A is 351.37 sq.cm, its volume is



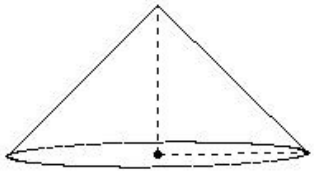
(i) 541.81 cu.cm (ii) 538.81 cu.cm (iii) 517.81 cu.cm (iv) 505.81 cu.cm (v) 523.81 cu.cm

26. If the base radius of a cone is 8.00 cm and T.S.A is 503.86 sq.cm, its vertical height is



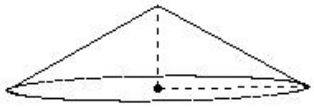
(i) 7.00 cm (ii) 9.00 cm (iii) 8.00 cm (iv) 10.00 cm (v) 11.00 cm

27. If the base radius of a cone is 9.00 cm and T.S.A is 614.65 sq.cm, its slant height is



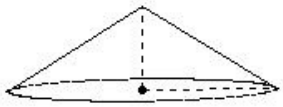
(i) 15.73 cm (ii) 12.73 cm (iii) 9.73 cm (iv) 7.73 cm (v) 17.73 cm

28. If the base radius of a cone is 9.00 cm and T.S.A is 545.91 sq.cm, its L.S.A. is



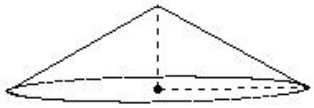
(i) 313.34 sq.cm (ii) 296.34 sq.cm (iii) 277.34 sq.cm (iv) 278.34 sq.cm (v) 291.34 sq.cm

29. If the base radius of a cone is 8.00 cm and T.S.A is 438.24 sq.cm, its base area is



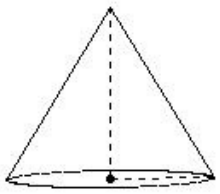
(i) 219.14 sq.cm (ii) 201.14 sq.cm (iii) 196.14 sq.cm (iv) 188.14 sq.cm (v) 207.14 sq.cm

30. If the base radius of a cone is 9.00 cm and T.S.A is 545.91 sq.cm, its volume is



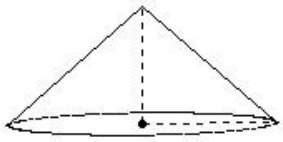
(i) 424.29 cu.cm (ii) 438.29 cu.cm (iii) 406.29 cu.cm (iv) 401.29 cu.cm (v) 450.29 cu.cm

31. If the slant height of a cone is 11.66 cm and T.S.A is 333.02 sq.cm, its base radius is



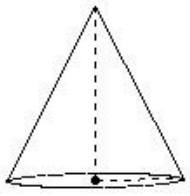
(i) 5.00 cm (ii) 8.00 cm (iii) 4.00 cm (iv) 7.00 cm (v) 6.00 cm

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



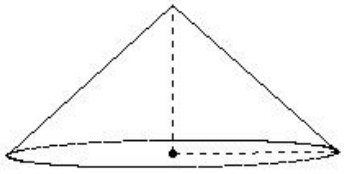
(i) 5.00 cm (ii) 9.00 cm (iii) 7.00 cm (iv) 6.00 cm (v) 8.00 cm

33. If the slant height of a cone is 11.18 cm and T.S.A is 254.26 sq.cm, its L.S.A. is



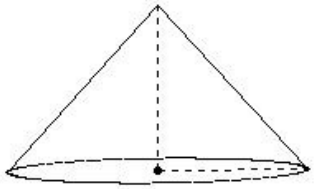
(i) 193.69 sq.cm (ii) 175.69 sq.cm (iii) 149.69 sq.cm (iv) 169.69 sq.cm (v) 202.69 sq.cm

34. If the slant height of a cone is 13.45 cm and T.S.A is 737.00 sq.cm, its base area is



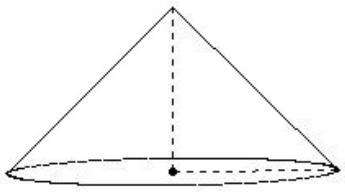
(i) 314.29 sq.cm (ii) 326.29 sq.cm (iii) 291.29 sq.cm (iv) 328.29 sq.cm (v) 309.29 sq.cm

35. If the slant height of a cone is 13.45 cm and T.S.A is 635.01 sq.cm, its volume is



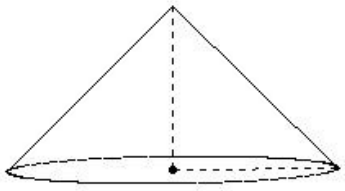
(i) 821.57 cu.cm (ii) 848.57 cu.cm (iii) 834.57 cu.cm (iv) 856.57 cu.cm (v) 865.57 cu.cm

36. If the base radius of a cone is 10.00 cm and volume is 1047.62 cu.cm, its vertical height is



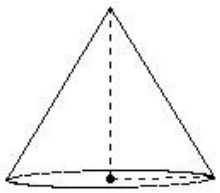
(i) 13.00 cm (ii) 10.00 cm (iii) 5.00 cm (iv) 7.00 cm (v) 15.00 cm

37. If the base radius of a cone is 10.00 cm and volume is 1047.62 cu.cm, its slant height is



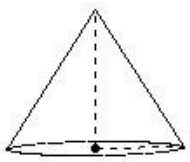
(i) 11.14 cm (ii) 14.14 cm (iii) 9.14 cm (iv) 19.14 cm (v) 17.14 cm

38. If the base radius of a cone is 6.00 cm and volume is 377.14 cu.cm, its L.S.A. is



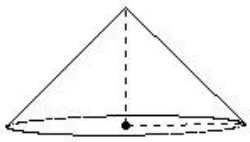
(i) 214.87 sq.cm (ii) 221.87 sq.cm (iii) 202.87 sq.cm (iv) 232.87 sq.cm (v) 219.87 sq.cm

39. If the base radius of a cone is 5.00 cm and volume is 209.52 cu.cm, its base area is



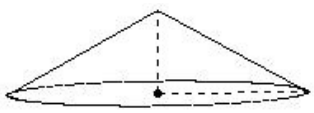
(i) 78.57 sq.cm (ii) 75.57 sq.cm (iii) 73.57 sq.cm (iv) 83.57 sq.cm (v) 81.57 sq.cm

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



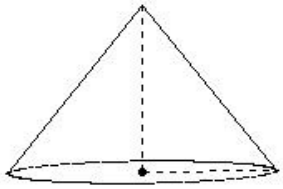
(i) 395.80 sq.cm (ii) 353.80 sq.cm (iii) 354.80 sq.cm (iv) 373.80 sq.cm (v) 371.80 sq.cm

41. If the vertical height of a cone is 5.00 cm and volume is 424.29 cu.cm, its base radius is



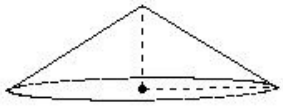
(i) 8.00 cm (ii) 7.00 cm (iii) 9.00 cm (iv) 10.00 cm (v) 11.00 cm

42. If the vertical height of a cone is 10.00 cm and volume is 670.48 cu.cm, its slant height is



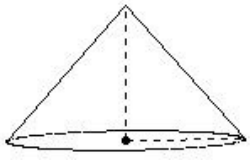
(i) 9.81 cm (ii) 17.81 cm (iii) 7.81 cm (iv) 12.81 cm (v) 15.81 cm

43. If the vertical height of a cone is 5.00 cm and volume is 335.24 cu.cm, its L.S.A. is



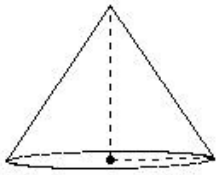
(i) 223.10 sq.cm (ii) 237.10 sq.cm (iii) 260.10 sq.cm (iv) 239.10 sq.cm (v) 229.10 sq.cm

44. If the vertical height of a cone is 8.00 cm and volume is 410.67 cu.cm, its base area is



(i) 169.00 sq.cm (ii) 150.00 sq.cm (iii) 132.00 sq.cm (iv) 154.00 sq.cm (v) 170.00 sq.cm

45. If the vertical height of a cone is 9.00 cm and volume is 339.43 cu.cm, its T.S.A is



(i) 335.18 sq.cm (ii) 317.18 sq.cm (iii) 290.18 sq.cm (iv) 301.18 sq.cm (v) 322.18 sq.cm

## Assignment Key

| | | | | | |
|---|---|---|---|---|---|
| 1) (iv) | 2) (ii) | 3) (iii) | 4) (v) | 5) (iv) | 6) (v) |
| 7) (iii) | 8) (ii) | 9) (v) | 10) (ii) | 11) (iv) | 12) (iv) |
| 13) (ii) | 14) (iii) | 15) (iv) | 16) (iii) | 17) (v) | 18) (ii) |
| 19) (ii) | 20) (v) | 21) (i) | 22) (iii) | 23) (iv) | 24) (iii) |
| 25) (v) | 26) (ii) | 27) (ii) | 28) (v) | 29) (ii) | 30) (i) |
| 31) (v) | 32) (iii) | 33) (ii) | 34) (i) | 35) (ii) | 36) (ii) |
| 37) (ii) | 38) (v) | 39) (i) | 40) (v) | 41) (iii) | 42) (iv) |
| 43) (ii) | 44) (iv) | 45) (ii) | | | |

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