EduSahara™ Assignment

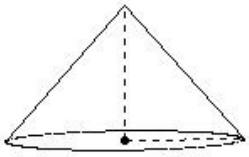
Name : Cones

Chapter : Surface areas and Volumes

Grade : SSC Grade IX

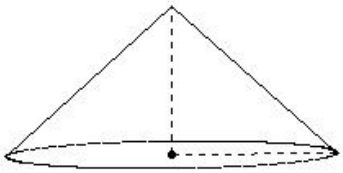
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1. If the base radius of a cone is 7.00 cm and vertical height is 8.00 cm, its slant height is



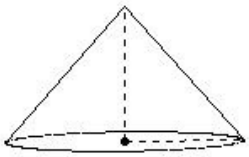
(i) 10.63 cm (ii) 7.63 cm (iii) 13.63 cm (iv) 15.63 cm (v) 5.63 cm

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



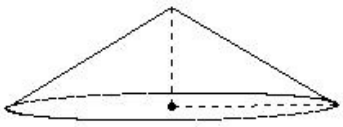
(i) 415.71 sq.cm (ii) 434.71 sq.cm (iii) 397.71 sq.cm (iv) 430.71 sq.cm (v) 422.71 sq.cm

3. If the base radius of a cone is 7.00 cm and vertical height is 8.00 cm, its base area is



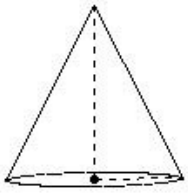
(i) 152.00 sq.cm (ii) 170.00 sq.cm (iii) 130.00 sq.cm (iv) 154.00 sq.cm (v) 172.00 sq.cm

4. If the base radius of a cone is 10.00 cm and vertical height is 6.00 cm, its T.S.A is



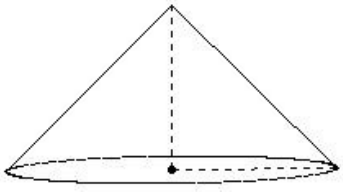
(i) 703.74 sq.cm (ii) 688.74 sq.cm (iii) 666.74 sq.cm (iv) 665.74 sq.cm (v) 680.74 sq.cm

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



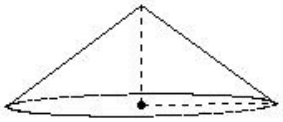
(i) 277.90 cu.cm (ii) 263.90 cu.cm (iii) 261.90 cu.cm (iv) 244.90 cu.cm (v) 243.90 cu.cm

6. If the slant height of a cone is 14.14 cm and vertical height is 10.00 cm, its base radius is



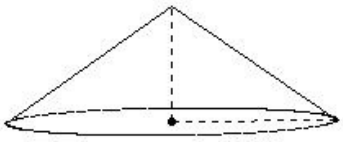
(i) 7.00 cm (ii) 13.00 cm (iii) 15.00 cm (iv) 10.00 cm (v) 5.00 cm

7. If the slant height of a cone is 10.00 cm and vertical height is 6.00 cm, its L.S.A. is



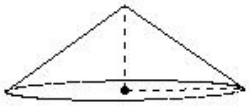
(i) 263.43 sq.cm (ii) 238.43 sq.cm (iii) 251.43 sq.cm (iv) 257.43 sq.cm (v) 237.43 sq.cm

8. If the slant height of a cone is 12.21 cm and vertical height is 7.00 cm, its base area is



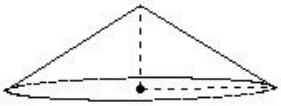
(i) 314.29 sq.cm (ii) 336.29 sq.cm (iii) 308.29 sq.cm (iv) 301.29 sq.cm (v) 321.29 sq.cm

9. If the slant height of a cone is 8.60 cm and vertical height is 5.00 cm, its T.S.A is



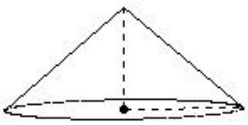
(i) 328.20 sq.cm (ii) 343.20 sq.cm (iii) 366.20 sq.cm (iv) 325.20 sq.cm (v) 351.20 sq.cm

10. If the slant height of a cone is 9.43 cm and vertical height is 5.00 cm, its volume is



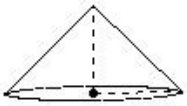
(i) 319.24 cu.cm (ii) 362.24 cu.cm (iii) 347.24 cu.cm (iv) 312.24 cu.cm (v) 335.24 cu.cm

11. If the base radius of a cone is 7.00 cm and slant height is 9.22 cm, its vertical height is



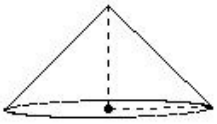
(i) 8.00 cm (ii) 5.00 cm (iii) 6.00 cm (iv) 4.00 cm (v) 7.00 cm

12. If the base radius of a cone is 5.00 cm and slant height is 7.07 cm, its L.S.A. is



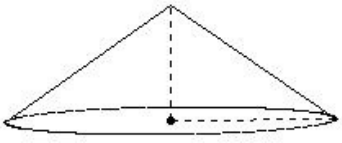
(i) 116.10 sq.cm (ii) 139.10 sq.cm (iii) 111.10 sq.cm (iv) 95.10 sq.cm

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



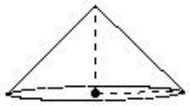
(i) 96.14 sq.cm (ii) 99.14 sq.cm (iii) 128.14 sq.cm (iv) 127.14 sq.cm (v) 113.14 sq.cm

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



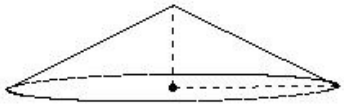
(i) 681.03 sq.cm (ii) 706.03 sq.cm (iii) 682.03 sq.cm (iv) 712.03 sq.cm (v) 698.03 sq.cm

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



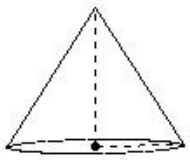
(i) 136.95 cu.cm (ii) 130.95 cu.cm (iii) 105.95 cu.cm (iv) 144.95 cu.cm (v) 117.95 cu.cm

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



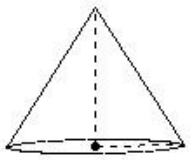
(i) 3.00 cm (ii) 4.00 cm (iii) 5.00 cm (iv) 7.00 cm (v) 6.00 cm

17. If the base radius of a cone is 5.00 cm and L.S.A is 148.19 sq.cm, its slant height is



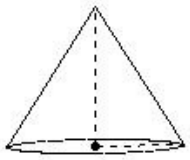
(i) 9.43 cm (ii) 7.43 cm (iii) 8.43 cm (iv) 11.43 cm (v) 10.43 cm

18. If the base radius of a cone is 5.00 cm and L.S.A is 148.19 sq.cm, its base area is



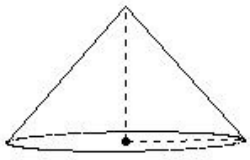
(i) 73.57 sq.cm (ii) 83.57 sq.cm (iii) 75.57 sq.cm (iv) 78.57 sq.cm (v) 81.57 sq.cm

19. If the base radius of a cone is 5.00 cm and L.S.A is 148.19 sq.cm, its T.S.A is



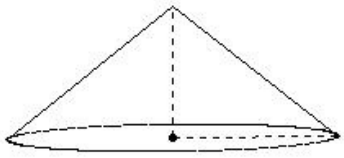
(i) 243.76 sq.cm (ii) 226.76 sq.cm (iii) 198.76 sq.cm (iv) 241.76 sq.cm (v) 213.76 sq.cm

20. If the base radius of a cone is 7.00 cm and L.S.A is 233.86 sq.cm, its volume is



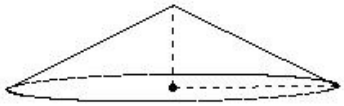
(i) 428.67 cu.cm (ii) 410.67 cu.cm (iii) 398.67 cu.cm (iv) 407.67 cu.cm (v) 423.67 cu.cm

21. If the slant height of a cone is 12.81 cm and L.S.A is 402.60 sq.cm, its base radius is



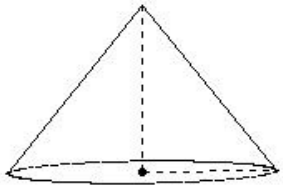
(i) 7.00 cm (ii) 5.00 cm (iii) 13.00 cm (iv) 10.00 cm (v) 15.00 cm

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



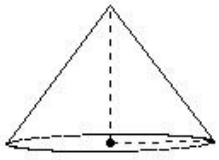
(i) 7.00 cm (ii) 3.00 cm (iii) 6.00 cm (iv) 5.00 cm (v) 4.00 cm

23. If the slant height of a cone is 12.81 cm and L.S.A is 322.08 sq.cm, its base area is



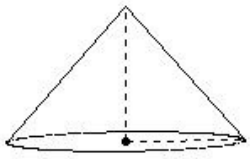
(i) 201.14 sq.cm (ii) 204.14 sq.cm (iii) 227.14 sq.cm (iv) 195.14 sq.cm (v) 179.14 sq.cm

24. If the slant height of a cone is 10.00 cm and L.S.A is 188.57 sq.cm, its T.S.A is



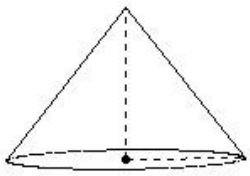
(i) 329.71 sq.cm (ii) 301.71 sq.cm (iii) 289.71 sq.cm (iv) 285.71 sq.cm (v) 314.71 sq.cm

25. If the slant height of a cone is 10.63 cm and L.S.A is 233.86 sq.cm, its volume is



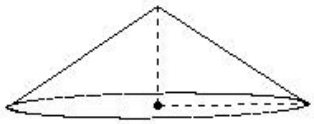
(i) 424.67 cu.cm (ii) 395.67 cu.cm (iii) 410.67 cu.cm (iv) 427.67 cu.cm (v) 398.67 cu.cm

26. If the base radius of a cone is 7.00 cm and T.S.A is 404.80 sq.cm, its vertical height is



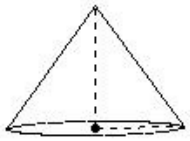
(i) 7.00 cm (ii) 10.00 cm (iii) 8.00 cm (iv) 11.00 cm (v) 9.00 cm

27. If the base radius of a cone is 9.00 cm and T.S.A is 560.62 sq.cm, its slant height is



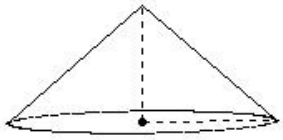
(i) 7.82 cm (ii) 15.82 cm (iii) 13.82 cm (iv) 10.82 cm (v) 5.82 cm

28. If the base radius of a cone is 5.00 cm and T.S.A is 213.71 sq.cm, its L.S.A. is



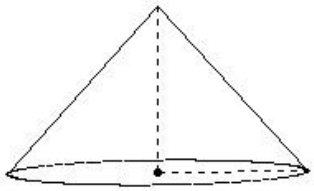
(i) 150.14 sq.cm (ii) 122.14 sq.cm (iii) 117.14 sq.cm (iv) 151.14 sq.cm (v) 135.14 sq.cm

29. If the base radius of a cone is 8.00 cm and T.S.A is 468.41 sq.cm, its base area is



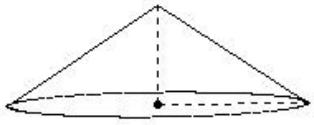
(i) 197.14 sq.cm (ii) 229.14 sq.cm (iii) 201.14 sq.cm (iv) 214.14 sq.cm (v) 185.14 sq.cm

30. If the base radius of a cone is 9.00 cm and T.S.A is 635.01 sq.cm, its volume is



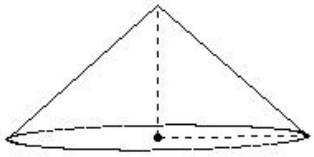
(i) 846.57 cu.cm (ii) 832.57 cu.cm (iii) 860.57 cu.cm (iv) 865.57 cu.cm (v) 848.57 cu.cm

31. If the slant height of a cone is 10.82 cm and T.S.A is 560.62 sq.cm, its base radius is



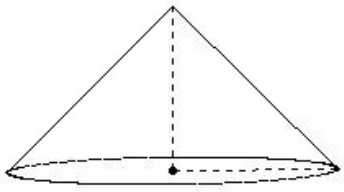
(i) 10.00 cm (ii) 8.00 cm (iii) 11.00 cm (iv) 9.00 cm (v) 7.00 cm

32. If the slant height of a cone is 12.04 cm and T.S.A is 595.13 sq.cm, its vertical height is



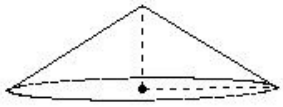
(i) 9.00 cm (ii) 10.00 cm (iii) 8.00 cm (iv) 6.00 cm (v) 7.00 cm

33. If the slant height of a cone is 14.14 cm and T.S.A is 758.69 sq.cm, its L.S.A. is



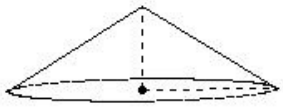
(i) 444.40 sq.cm (ii) 457.40 sq.cm (iii) 419.40 sq.cm (iv) 460.40 sq.cm (v) 442.40 sq.cm

34. If the slant height of a cone is 9.43 cm and T.S.A is 438.24 sq.cm, its base area is



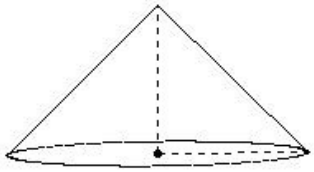
(i) 194.14 sq.cm (ii) 188.14 sq.cm (iii) 216.14 sq.cm (iv) 201.14 sq.cm (v) 217.14 sq.cm

35. If the slant height of a cone is 9.43 cm and T.S.A is 438.24 sq.cm, its volume is



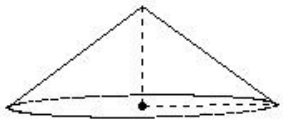
(i) 349.24 cu.cm (ii) 335.24 cu.cm (iii) 328.24 cu.cm (iv) 363.24 cu.cm (v) 310.24 cu.cm

36. If the base radius of a cone is 9.00 cm and volume is 763.71 cu.cm, its vertical height is



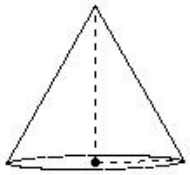
(i) 11.00 cm (ii) 9.00 cm (iii) 8.00 cm (iv) 10.00 cm (v) 7.00 cm

37. If the base radius of a cone is 8.00 cm and volume is 402.29 cu.cm, its slant height is



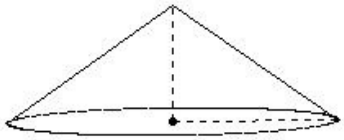
(i) 7.00 cm (ii) 5.00 cm (iii) 15.00 cm (iv) 10.00 cm (v) 13.00 cm

38. If the base radius of a cone is 5.00 cm and volume is 235.71 cu.cm, its L.S.A. is



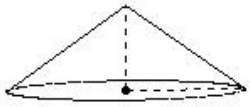
(i) 145.86 sq.cm (ii) 148.86 sq.cm (iii) 189.86 sq.cm (iv) 164.86 sq.cm (v) 161.86 sq.cm

39. If the base radius of a cone is 10.00 cm and volume is 733.33 cu.cm, its base area is



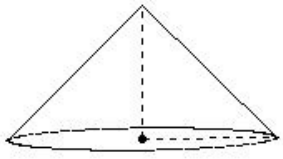
(i) 297.29 sq.cm (ii) 336.29 sq.cm (iii) 329.29 sq.cm (iv) 286.29 sq.cm (v) 314.29 sq.cm

40. If the base radius of a cone is 7.00 cm and volume is 256.67 cu.cm, its T.S.A is



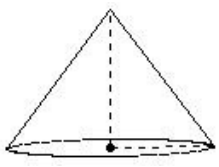
(i) 341.20 sq.cm (ii) 361.20 sq.cm (iii) 343.20 sq.cm (iv) 316.20 sq.cm (v) 357.20 sq.cm

41. If the vertical height of a cone is 8.00 cm and volume is 536.38 cu.cm, its base radius is



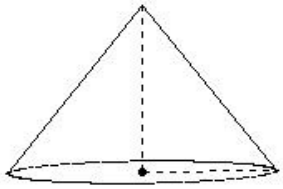
(i) 9.00 cm (ii) 7.00 cm (iii) 8.00 cm (iv) 10.00 cm (v) 6.00 cm

42. If the vertical height of a cone is 8.00 cm and volume is 301.71 cu.cm, its slant height is



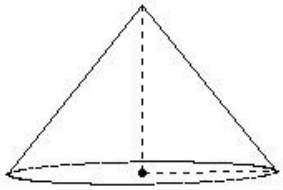
(i) 10.00 cm (ii) 5.00 cm (iii) 15.00 cm (iv) 7.00 cm (v) 13.00 cm

43. If the vertical height of a cone is 10.00 cm and volume is 670.48 cu.cm, its L.S.A. is



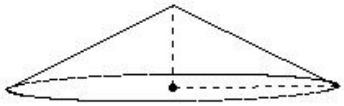
(i) 325.08 sq.cm (ii) 298.08 sq.cm (iii) 345.08 sq.cm (iv) 306.08 sq.cm (v) 322.08 sq.cm

44. If the vertical height of a cone is 10.00 cm and volume is 670.48 cu.cm, its base area is



(i) 188.14 sq.cm (ii) 209.14 sq.cm (iii) 201.14 sq.cm (iv) 196.14 sq.cm (v) 227.14 sq.cm

45. If the vertical height of a cone is 5.00 cm and volume is 523.81 cu.cm, its T.S.A is



(i) 665.66 sq.cm (ii) 651.66 sq.cm (iii) 679.66 sq.cm (iv) 693.66 sq.cm (v) 648.66 sq.cm

## Assignment Key

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

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