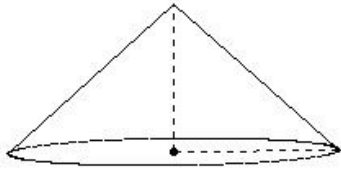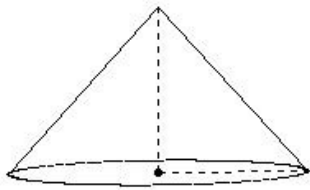1. If the base radius of a cone is 10.00 cm and vertical height is 9.00 cm, its slant height is
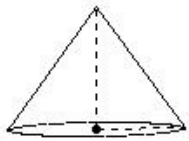
   (i) 8.45 cm (ii) 16.45 cm (iii) 10.45 cm (iv) 13.45 cm (v) 18.45 cm

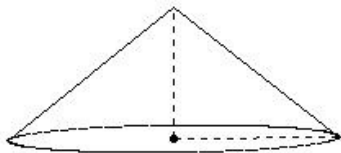2. If the base radius of a cone is 9.00 cm and vertical height is 10.00 cm, its L.S.A. is

   (i) 363.44 sq.cm (ii) 395.44 sq.cm (iii) 362.44 sq.cm (iv) 380.44 sq.cm (v) 393.44 sq.cm

3. If the base radius of a cone is 5.00 cm and vertical height is 7.00 cm, its base area is
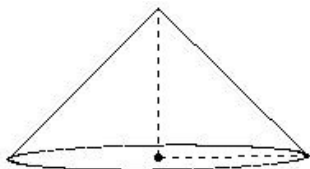
   (i) 73.57 sq.cm (ii) 81.57 sq.cm (iii) 78.57 sq.cm (iv) 75.57 sq.cm (v) 83.57 sq.cm

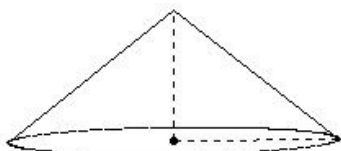4. If the base radius of a cone is 10.00 cm and vertical height is 8.00 cm, its T.S.A is

   (i) 728.89 sq.cm (ii) 709.89 sq.cm (iii) 743.89 sq.cm (iv) 716.89 sq.cm (v) 700.89 sq.cm

5. If the base radius of a cone is 9.00 cm and vertical height is 9.00 cm, its volume is
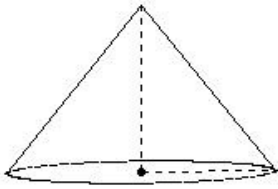
   (i) 759.71 cu.cm (ii) 775.71 cu.cm (iii) 740.71 cu.cm (iv) 763.71 cu.cm

6. If the slant height of a cone is 12.81 cm and vertical height is 8.00 cm, its base radius is
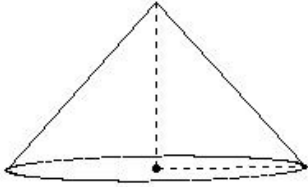
   (i) 13.00 cm (ii) 5.00 cm (iii) 10.00 cm (iv) 7.00 cm (v) 15.00 cm

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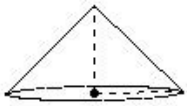

  (i) 296.08 sq.cm (ii) 346.08 sq.cm (iii) 322.08 sq.cm (iv) 314.08 sq.cm (v) 340.08 sq.cm

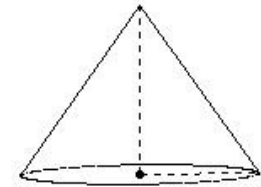8. If the slant height of a cone is 13.45 cm and vertical height is 10.00 cm, its base area is

  (i) 249.57 sq.cm (ii) 232.57 sq.cm (iii) 254.57 sq.cm (iv) 278.57 sq.cm (v) 271.57 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
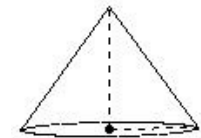

  (i) 194.67 sq.cm (ii) 212.67 sq.cm (iii) 186.67 sq.cm (iv) 177.67 sq.cm (v) 189.67 sq.cm

10. If the slant height of a cone is 12.21 cm and vertical height is 10.00 cm, its volume is
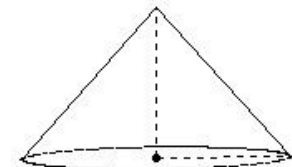

  (i) 527.33 cu.cm (ii) 496.33 cu.cm (iii) 495.33 cu.cm (iv) 539.33 cu.cm (v) 513.33 cu.cm

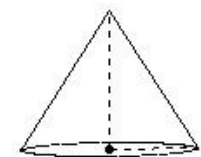11. If the base radius of a cone is 5.00 cm and slant height is 8.60 cm, its vertical height is

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

12. If the base radius of a cone is 8.00 cm and slant height is 12.04 cm, its L.S.A. is
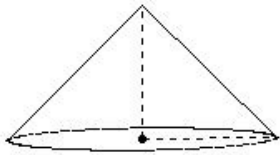

  (i) 285.72 sq.cm (ii) 284.72 sq.cm (iii) 317.72 sq.cm (iv) 320.72 sq.cm (v) 302.72 sq.cm

13. If the base radius of a cone is 5.00 cm and slant height is 9.43 cm, its base area is
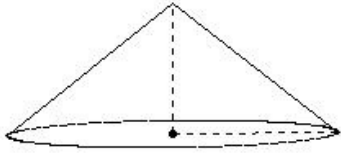

  (i) 75.57 sq.cm (ii) 78.57 sq.cm (iii) 81.57 sq.cm (iv) 73.57 sq.cm (v) 83.57 sq.cm

14. If the base radius of a cone is 8.00 cm and slant height is 11.31 cm, its T.S.A is
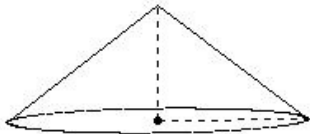
(i) 470.51 sq.cm (ii) 502.51 sq.cm (iii) 485.51 sq.cm (iv) 489.51 sq.cm (v) 471.51 sq.cm

15. If the base radius of a cone is 10.00 cm and slant height is 12.81 cm, its volume is
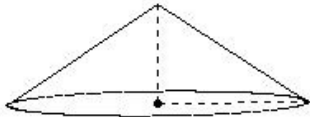
(i) 825.10 cu.cm (ii) 843.10 cu.cm (iii) 850.10 cu.cm (iv) 838.10 cu.cm (v) 814.10 cu.cm

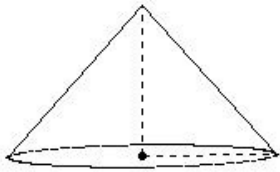16. If the base radius of a cone is 9.00 cm and L.S.A is 322.46 sq.cm, its vertical height is

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

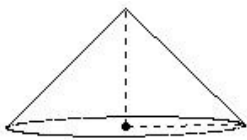17. If the base radius of a cone is 9.00 cm and L.S.A is 306.05 sq.cm, its slant height is

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

18. If the base radius of a cone is 8.00 cm and L.S.A is 302.72 sq.cm, its base area is
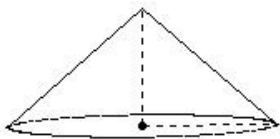
(i) 223.14 sq.cm (ii) 201.14 sq.cm (iii) 184.14 sq.cm (iv) 207.14 sq.cm (v) 173.14 sq.cm

19. If the base radius of a cone is 7.00 cm and L.S.A is 217.80 sq.cm, its T.S.A is
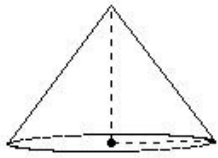
(i) 389.80 sq.cm (ii) 355.80 sq.cm (iii) 371.80 sq.cm (iv) 347.80 sq.cm (v) 376.80 sq.cm

20. If the base radius of a cone is 8.00 cm and L.S.A is 267.27 sq.cm, its volume is
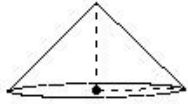
(i) 469.33 cu.cm (ii) 487.33 cu.cm (iii) 452.33 cu.cm (iv) 454.33 cu.cm (v) 495.33 cu.cm

21. If the slant height of a cone is 10.00 cm and L.S.A is 188.57 sq.cm, its base radius is
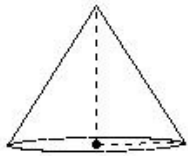
(i) 6.00 cm   (ii) 8.00 cm   (iii) 7.00 cm   (iv) 4.00 cm   (v) 5.00 cm

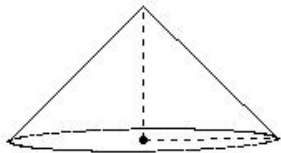22. If the slant height of a cone is 7.07 cm and L.S.A is 111.10 sq.cm, its vertical height is

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

23. If the slant height of a cone is 9.43 cm and L.S.A is 148.19 sq.cm, its base area is
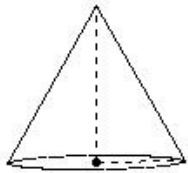
(i) 81.57 sq.cm   (ii) 83.57 sq.cm   (iii) 78.57 sq.cm   (iv) 75.57 sq.cm   (v) 73.57 sq.cm

24. If the slant height of a cone is 11.31 cm and L.S.A is 284.37 sq.cm, its T.S.A is
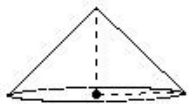
(i) 469.51 sq.cm   (ii) 508.51 sq.cm   (iii) 477.51 sq.cm   (iv) 485.51 sq.cm   (v) 488.51 sq.cm

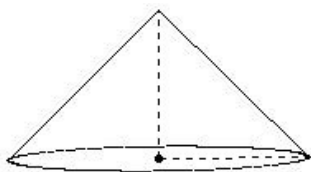25. If the slant height of a cone is 10.30 cm and L.S.A is 161.86 sq.cm, its volume is

(i) 213.71 cu.cm   (ii) 230.71 cu.cm   (iii) 235.71 cu.cm   (iv) 239.71 cu.cm   (v) 247.71 cu.cm

26. If the base radius of a cone is 5.00 cm and T.S.A is 189.67 sq.cm, its vertical height is
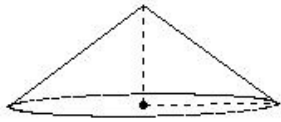
(i) 7.00 cm   (ii) 3.00 cm   (iii) 4.00 cm   (iv) 5.00 cm   (v) 6.00 cm

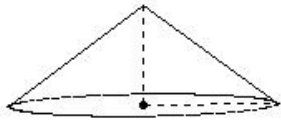27. If the base radius of a cone is 9.00 cm and T.S.A is 614.65 sq.cm, its slant height is

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

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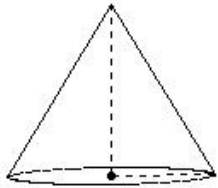

   (i) 279.43 sq.cm (ii) 256.43 sq.cm (iii) 227.43 sq.cm (iv) 251.43 sq.cm (v) 243.43 sq.cm

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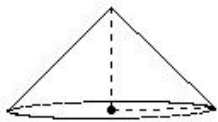

   (i) 214.14 sq.cm (ii) 209.14 sq.cm (iii) 185.14 sq.cm (iv) 199.14 sq.cm (v) 201.14 sq.cm

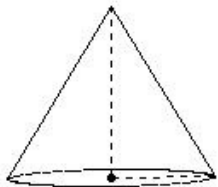30. If the base radius of a cone is 6.00 cm and T.S.A is 333.02 sq.cm, its volume is

   (i) 380.14 cu.cm (ii) 372.14 cu.cm (iii) 365.14 cu.cm (iv) 377.14 cu.cm (v) 395.14 cu.cm

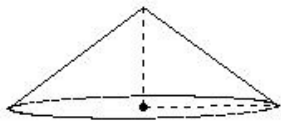31. If the slant height of a cone is 8.49 cm and T.S.A is 273.24 sq.cm, its base radius is

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

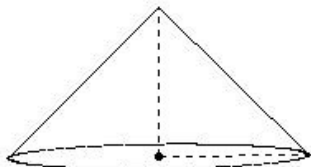32. If the slant height of a cone is 11.66 cm and T.S.A is 333.02 sq.cm, its vertical height is

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

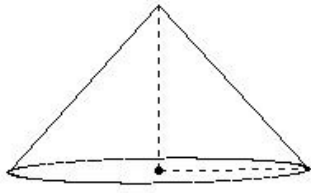33. If the slant height of a cone is 10.00 cm and T.S.A is 452.57 sq.cm, its L.S.A. is

   (i) 249.43 sq.cm (ii) 251.43 sq.cm (iii) 229.43 sq.cm (iv) 265.43 sq.cm (v) 278.43 sq.cm

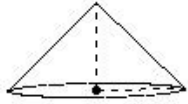34. If the slant height of a cone is 12.73 cm and T.S.A is 614.65 sq.cm, its base area is

   (i) 249.57 sq.cm (ii) 227.57 sq.cm (iii) 266.57 sq.cm (iv) 282.57 sq.cm (v) 254.57 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
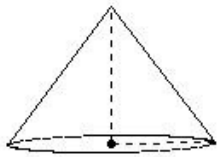
(i) 836.57 cu.cm (ii) 840.57 cu.cm (iii) 848.57 cu.cm (iv) 853.57 cu.cm (v) 871.57 cu.cm

36. If the base radius of a cone is 5.00 cm and volume is 130.95 cu.cm, its vertical height is
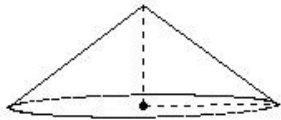
(i) 6.00 cm (ii) 5.00 cm (iii) 3.00 cm (iv) 4.00 cm (v) 7.00 cm

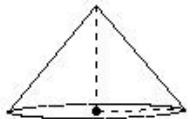37. If the base radius of a cone is 6.00 cm and volume is 301.71 cu.cm, its slant height is

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

38. If the base radius of a cone is 8.00 cm and volume is 402.29 cu.cm, its L.S.A. is
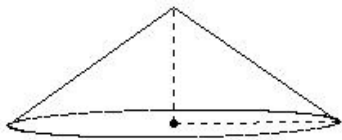
(i) 251.43 sq.cm (ii) 274.43 sq.cm (iii) 246.43 sq.cm (iv) 255.43 sq.cm (v) 224.43 sq.cm

39. If the base radius of a cone is 5.00 cm and volume is 157.14 cu.cm, its base area is
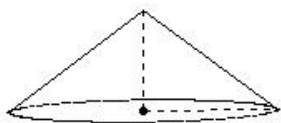
(i) 75.57 sq.cm (ii) 81.57 sq.cm (iii) 78.57 sq.cm (iv) 83.57 sq.cm (v) 73.57 sq.cm

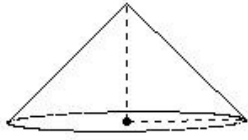40. If the base radius of a cone is 10.00 cm and volume is 733.33 cu.cm, its T.S.A is

(i) 671.03 sq.cm (ii) 704.03 sq.cm (iii) 698.03 sq.cm (iv) 710.03 sq.cm (v) 682.03 sq.cm

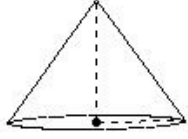41. If the vertical height of a cone is 6.00 cm and volume is 402.29 cu.cm, its base radius is

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

42. If the vertical height of a cone is 7.00 cm and volume is 359.33 cu.cm, its slant height is
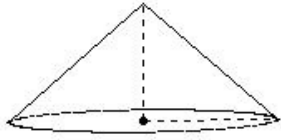
(i) 8.90 cm (ii) 11.90 cm (iii) 7.90 cm (iv) 9.90 cm (v) 10.90 cm

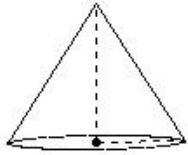43. If the vertical height of a cone is 7.00 cm and volume is 183.33 cu.cm, its L.S.A. is

(i) 120.14 sq.cm (ii) 135.14 sq.cm (iii) 117.14 sq.cm (iv) 152.14 sq.cm (v) 163.14 sq.cm

44. If the vertical height of a cone is 7.00 cm and volume is 469.33 cu.cm, its base area is

(i) 201.14 sq.cm (ii) 213.14 sq.cm (iii) 184.14 sq.cm (iv) 209.14 sq.cm (v) 186.14 sq.cm

45. If the vertical height of a cone is 8.00 cm and volume is 209.52 cu.cm, its T.S.A is

(i) 204.76 sq.cm (ii) 228.76 sq.cm (iii) 239.76 sq.cm (iv) 222.76 sq.cm (v) 226.76 sq.cm

Assignment Key

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