EduSahara™ Learning Center Assignment

Grade : Class X, ICSE
Chapter : Cone and Sphere
Name : Frustum of a Cone

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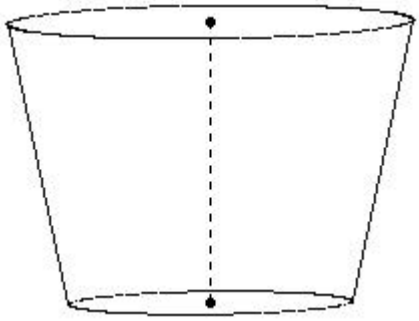
1. The radii of the ends of a frustum of a right circular cone 14.00 cm high are 10.00 cm and 7.00 cm. Its slant height is



(i) 14.32 cm (ii) 11.32 cm (iii) 17.32 cm

(iv) 9.32 cm (v) 19.32 cm

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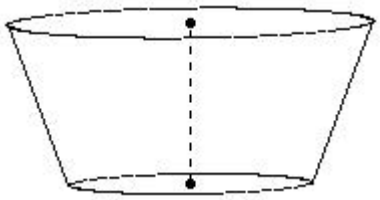
2. The radii of the ends of a frustum of a right circular cone 8.00 cm high are 9.00 cm and 6.00 cm. Its curved surface area is



(i) 388.79 sq.cm (ii) 408.79 sq.cm (iii) 402.79 sq.cm

(iv) 387.79 sq.cm (v) 415.79 sq.cm

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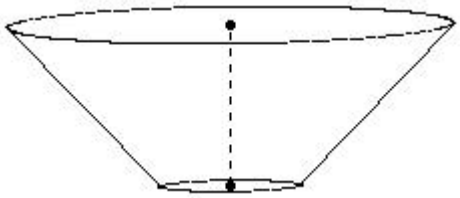
3. The radii of the ends of a frustum of a right circular cone 8.00 cm high are 11.00 cm and 3.50 cm. Its total surface area is



(i) 900.52 sq.cm (ii) 892.52 sq.cm (iii) 940.52 sq.cm

(iv) 933.52 sq.cm (v) 918.52 sq.cm

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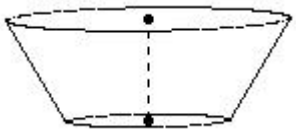
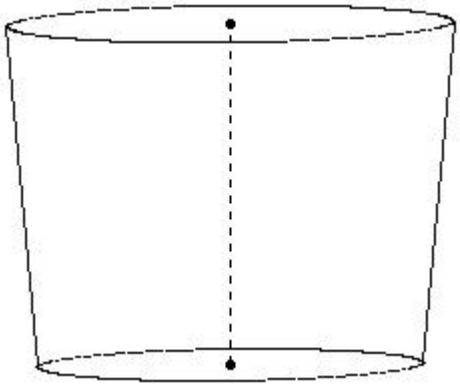
4. The radii of the ends of a frustum of a right circular cone 5.00 cm high are 7.00 cm and 4.00 cm. Its volume is



(i) 475.14 cu.cm (ii) 482.14 cu.cm (iii) 500.14 cu.cm

(iv) 487.14 cu.cm (v) 505.14 cu.cm

5. The radii of the ends of a frustum of a right circular cone 17.00 cm high are 11.00 cm and 9.50 cm. Its slant height is



(i) 22.07 cm (ii) 14.07 cm (iii) 20.07 cm

(iv) 12.07 cm (v) 17.07 cm

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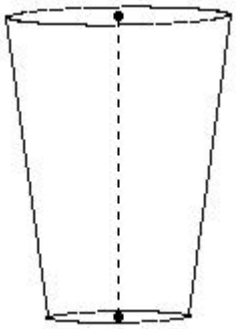
6. The radii of the ends of a frustum of a right circular cone 15.00 cm high are 5.50 cm and 3.50 cm. Its curved surface area is



(i) 411.04 sq.cm (ii) 424.04 sq.cm (iii) 446.04 sq.cm

(iv) 445.04 sq.cm (v) 428.04 sq.cm

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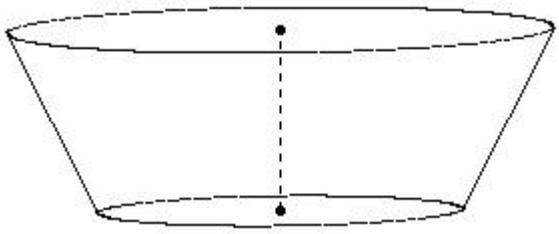
7. The radii of the ends of a frustum of a right circular cone 9.00 cm high are 13.50 cm and 9.00 cm. Its total surface area is



(i) 1408.91 sq.cm (ii) 1718.91 sq.cm (iii) 1378.91 sq.cm

(iv) 1538.91 sq.cm (v) 1758.91 sq.cm

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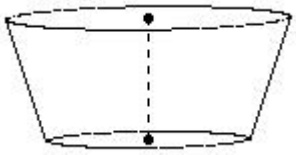
8. The radii of the ends of a frustum of a right circular cone 6.00 cm high are 7.00 cm and 5.00 cm. Its volume is



(i) 688.14 cu.cm (ii) 685.14 cu.cm (iii) 713.14 cu.cm

(iv) 661.14 cu.cm (v) 673.14 cu.cm

Assignment Key

1) (i)
2) (iii)
3) (v)
4) (iv)
5) (v)
6) (v)
7) (iv)
8) (ii)