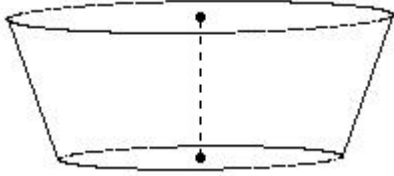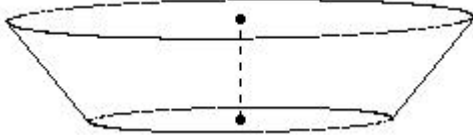# EduSahara™ Learning Center Assignment

Grade   : Class X, CBSE
Chapter : Surface Areas and Volumes
Name   : Frustum of a Cone

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1. The radii of the ends of a frustum of a right circular cone 7.00 cm high are 9.50 cm and 7.00 cm. Its slant height is

   (i)   5.43 cm (ii) 7.43 cm (iii) 9.43 cm

   (iv) 8.43 cm (v) 6.43 cm

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2. The radii of the ends of a frustum of a right circular cone 5.00 cm high are 11.50 cm and 7.50 cm. Its curved surface area is
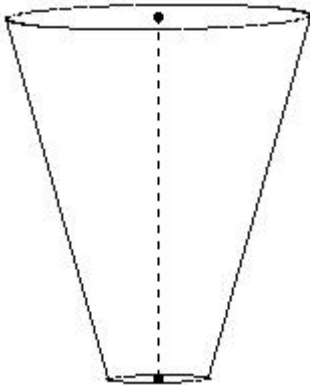

   (i)   410.36 sq.cm (ii) 395.36 sq.cm (iii) 358.36 sq.cm

   (iv) 382.36 sq.cm (v) 367.36 sq.cm

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3. The radii of the ends of a frustum of a right circular cone 5.00 cm high are 11.00 cm and 8.00 cm. Its total surface area is
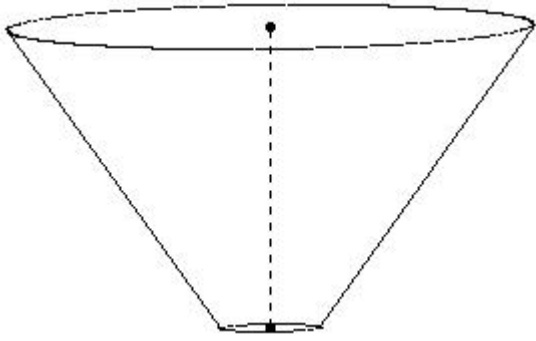

   (i)   921.62 sq.cm (ii) 934.62 sq.cm (iii) 929.62 sq.cm

   (iv) 901.62 sq.cm (v) 952.62 sq.cm

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4. The radii of the ends of a frustum of a right circular cone 18.00 cm high are 7.50 cm and 2.50 cm. Its volume is
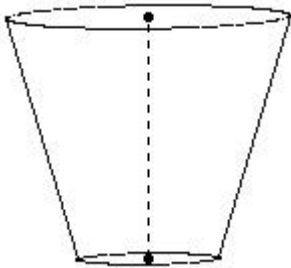

   (i)   1262.14 cu.cm (ii) 1532.14 cu.cm (iii) 1782.14 cu.cm

   (iv) 1662.14 cu.cm (v) 1472.14 cu.cm

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5. The radii of the ends of a frustum of a right circular cone 15.00 cm high are 13.00 cm and 2.50 cm. Its slant height is
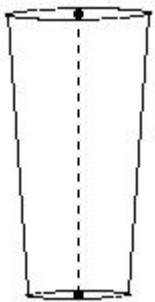

(i)   15.31 cm (ii) 23.31 cm (iii) 13.31 cm

(iv) 21.31 cm (v) 18.31 cm

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6. The radii of the ends of a frustum of a right circular cone 12.00 cm high are 7.00 cm and 3.50 cm. Its curved surface area is
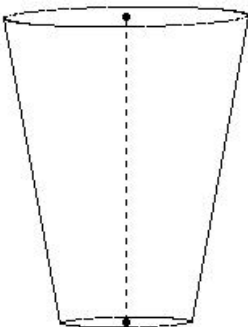

(i)   436.50 sq.cm (ii) 412.50 sq.cm (iii) 384.50 sq.cm

(iv) 420.50 sq.cm (v) 408.50 sq.cm

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7. The radii of the ends of a frustum of a right circular cone 14.00 cm high are 3.50 cm and 2.50 cm. Its total surface area is

(i)   337.82 sq.cm (ii) 322.82 sq.cm (iii) 305.82 sq.cm

(iv) 340.82 sq.cm (v) 310.82 sq.cm

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8. The radii of the ends of a frustum of a right circular cone 19.00 cm high are 7.50 cm and 4.00 cm. Its volume is

(i) 2035.26 cu.cm (ii) 1905.26 cu.cm (iii) 1765.26 cu.cm

(iv) 2175.26 cu.cm (v) 2285.26 cu.cm

Assignment Key

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