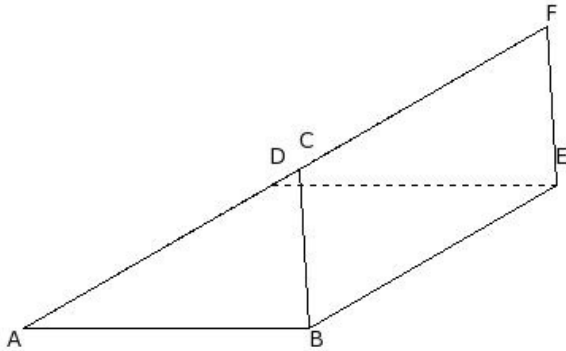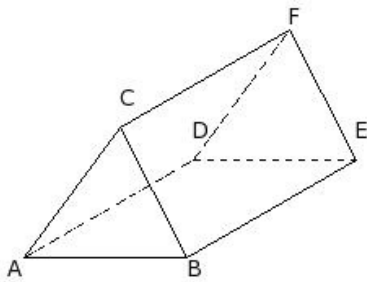1. If the three sides of a triangular prism are 18.00 cm, 10.00 cm, 20.00 cm and height is 36.00 cm, its base area is
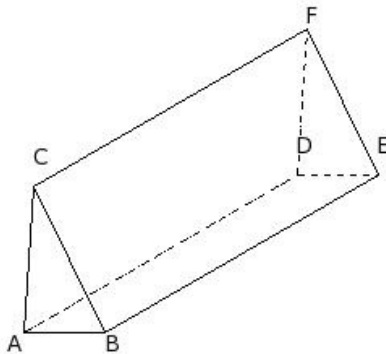

   (i) 86.80 sq.cm   (ii) 89.80 sq.cm   (iii) 92.80 sq.cm   (iv) 84.80 sq.cm   (v) 94.80 sq.cm

2. If the three sides of a triangular prism are 10.00 cm, 9.00 cm, 10.00 cm and height is 24.00 cm, its base perimeter is
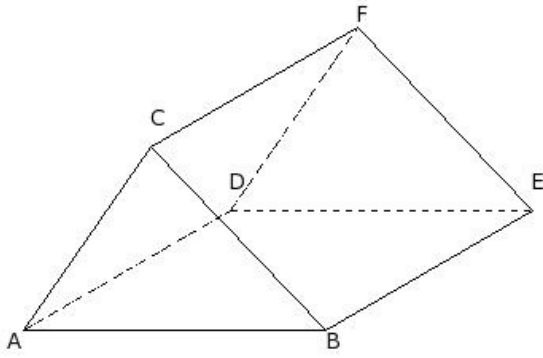

   (i) 26.00 cm   (ii) 24.00 cm   (iii) 29.00 cm   (iv) 32.00 cm   (v) 34.00 cm

3. If the three sides of a triangular prism are 5.00 cm, 10.00 cm, 9.00 cm and height is 39.00 cm, its L.S.A is
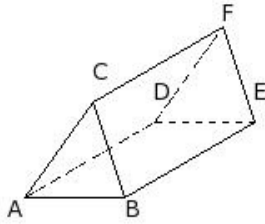

   (i) 948.00 sq.cm   (ii) 936.00 sq.cm   (iii) 959.00 sq.cm   (iv) 920.00 sq.cm   (v) 919.00 sq.cm

4. If the three sides of a triangular prism are 19.00 cm, 16.00 cm, 14.00 cm and height is 30.00 cm, its T.S.A is
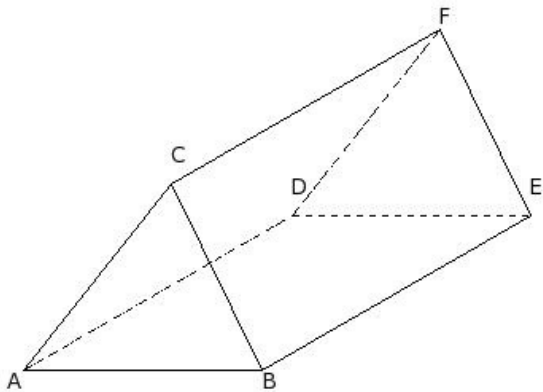

(i) 1639.34 sq.cm (ii) 1469.34 sq.cm (iii) 1869.34 sq.cm (iv) 1819.34 sq.cm (v) 1689.34 sq.cm

5. If the three sides of a triangular prism are 6.00 cm, 6.00 cm, 7.00 cm and height is 18.00 cm, its volume is
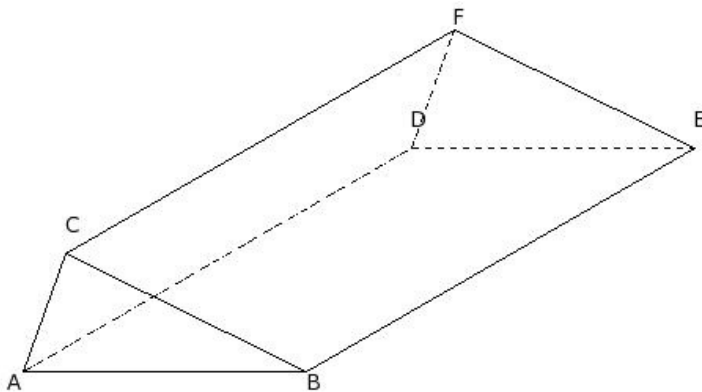

(i) 303.08 cu.cm (ii) 313.08 cu.cm (iii) 320.08 cu.cm (iv) 307.08 cu.cm (v) 289.08 cu.cm

6. If the three sides of a triangular prism are 15.00 cm, 13.00 cm, 15.00 cm and L.S.A is 1677.00 sq.cm, its base area is
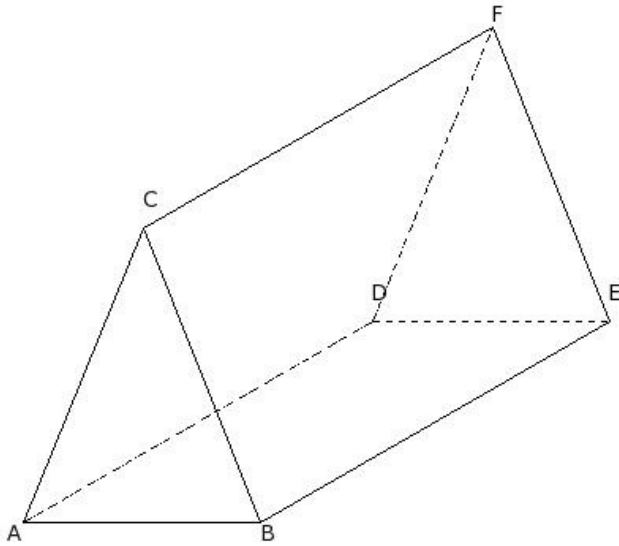

(i) 90.87 sq.cm (ii) 84.87 sq.cm (iii) 82.87 sq.cm (iv) 92.87 sq.cm (v) 87.87 sq.cm

7. If the three sides of a triangular prism are 18.00 cm, 17.00 cm, 8.00 cm and L.S.A is 2451.00 sq.cm, its base perimeter is
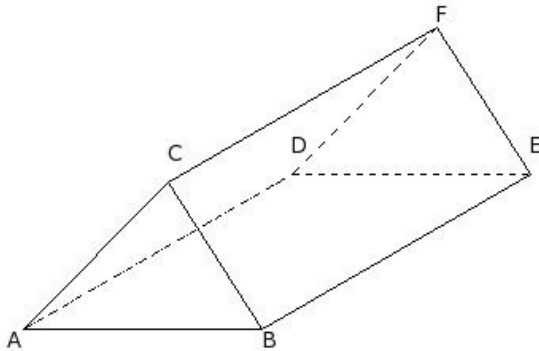

(i) 48.00 cm (ii) 46.00 cm (iii) 38.00 cm (iv) 40.00 cm (v) 43.00 cm

8. If the three sides of a triangular prism are 15.00 cm, 20.00 cm, 20.00 cm and L.S.A is 2805.00 sq.cm, its height is
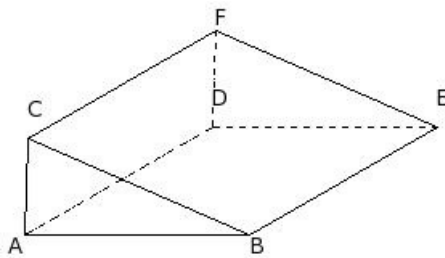

(i) 54.00 cm (ii) 56.00 cm (iii) 48.00 cm (iv) 46.00 cm (v) 51.00 cm

9. If the three sides of a triangular prism are 15.00 cm, 11.00 cm, 13.00 cm and L.S.A is 1521.00 sq.cm, its T.S.A is
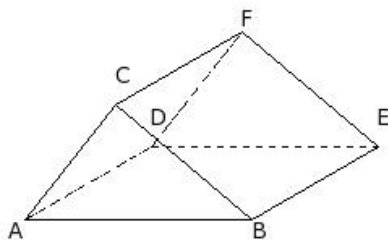

(i) 1740.26 sq.cm (ii) 1540.26 sq.cm (iii) 1930.26 sq.cm (iv) 1530.26 sq.cm (v) 1660.26 sq.cm

10. If the three sides of a triangular prism are 14.00 cm, 15.00 cm, 6.00 cm and L.S.A is 945.00 sq.cm, its volume is
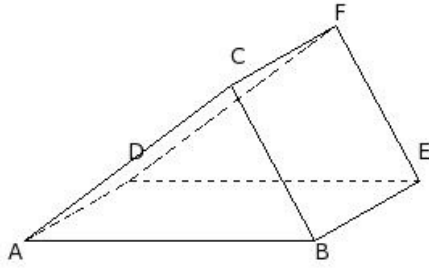

(i) 1112.92 cu.cm (ii) 1272.92 cu.cm (iii) 1132.92 cu.cm (iv) 962.92 cu.cm (v) 1312.92 cu.cm

11. If the three sides of a triangular prism are 14.00 cm, 11.00 cm, 9.00 cm and volume is 890.64 cu.cm, its base area is
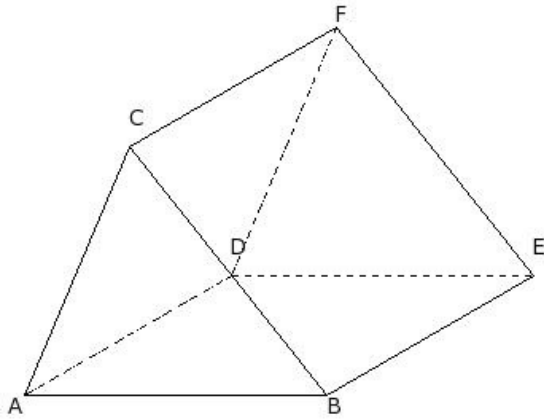

(i) 52.48 sq.cm (ii) 49.48 sq.cm (iii) 54.48 sq.cm (iv) 46.48 sq.cm (v) 44.48 sq.cm

12. If the L.S.A of a triangular prism is 675.00 sq.cm, base area is 87.00 sq.cm and base perimeter is 45.00 cm, its height is
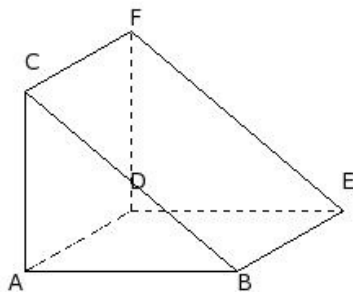

(i) 18.00 cm (ii) 10.00 cm (iii) 12.00 cm (iv) 20.00 cm (v) 15.00 cm

13. If the L.S.A of a triangular prism is 1680.00 sq.cm, base area is 148.92 sq.cm and base perimeter is 56.00 cm, its T.S.A is
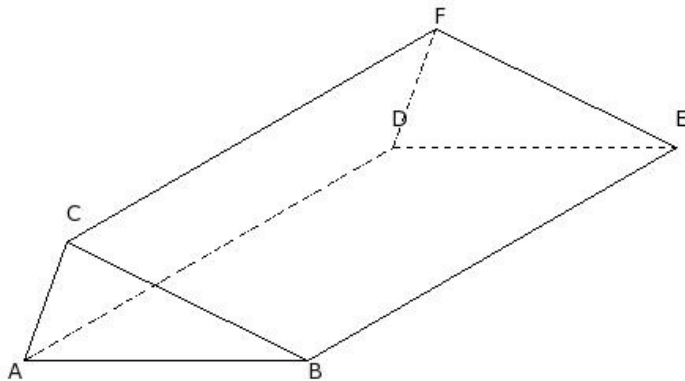

(i) 2047.84 sq.cm (ii) 2097.84 sq.cm (iii) 1977.84 sq.cm (iv) 1727.84 sq.cm (v) 1807.84 sq.cm

14. If the L.S.A of a triangular prism is 615.00 sq.cm, base area is 71.50 sq.cm and base perimeter is 41.00 cm, its volume is
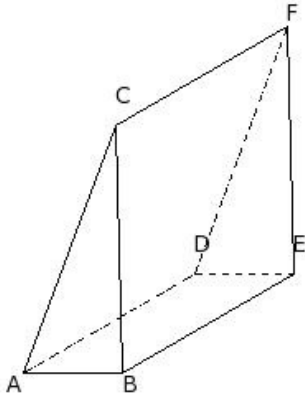

(i) 1072.50 cu.cm (ii) 842.50 cu.cm (iii) 1192.50 cu.cm (iv) 932.50 cu.cm (v) 1222.50 cu.cm

15. If the L.S.A of a triangular prism is 2322.00 sq.cm, T.S.A is 2457.22 sq.cm and height is 54.00 cm, its base area is

(i) 62.61 sq.cm (ii) 67.61 sq.cm (iii) 70.61 sq.cm (iv) 72.61 sq.cm (v) 64.61 sq.cm

16. If the L.S.A of a triangular prism is 888.00 sq.cm, T.S.A is 977.96 sq.cm and height is 24.00 cm, its base perimeter is

(i) 40.00 cm (ii) 32.00 cm (iii) 37.00 cm (iv) 34.00 cm (v) 42.00 cm

Assignment Key

1) (ii)	2) (iii)	3) (ii)	4) (v)	5) (iv)	6) (v)
7) (v)	8) (v)	9) (v)	10) (iii)	11) (ii)	12) (v)
13) (iii)	14) (i)	15) (ii)	16) (iii)		