

Name : Triangular Prism Chapter : Mensuration Grade : SSC Grade X License : Non Commercial Use

1. If the three sides of a triangular prism are 13.00 cm, 15.00 cm, 14.00 cm and height is 42.00 cm, its base area is



- (i) 84.00 sq.cm (ii) 81.00 sq.cm (iii) 79.00 sq.cm (iv) 87.00 sq.cm (v) 89.00 sq.cm
- 2. If the three sides of a triangular prism are 6.00 cm, 9.00 cm, 10.00 cm and height is 48.00 cm, its base perimeter is $\frac{1}{1000}$



- (i) 25.00 cm (ii) 30.00 cm (iii) 28.00 cm (iv) 22.00 cm (v) 20.00 cm
- 3. If the three sides of a triangular prism are 7.00 cm, 19.00 cm, 19.00 cm and height is 45.00 cm, its L.S.A is



(i) 2165.00 sq.cm (ii) 1945.00 sq.cm (iii) 2275.00 sq.cm (iv) 1855.00 sq.cm (v) 2025.00 sq.cm

4. If the three sides of a triangular prism are 16.00 cm, 18.00 cm, 20.00 cm and height is 45.00 cm, its T.S.A is



- (i) 2553.58 sq.cm (ii) 2583.58 sq.cm (iii) 2763.58 sq.cm (iv) 2703.58 sq.cm (v) 2873.58 sq.cm
- 5. If the three sides of a triangular prism are 11.00 cm, 12.00 cm, 11.00 cm and height is 15.00 cm, its volume is



- (i) 843.80 cu.cm (ii) 854.80 cu.cm (iii) 829.80 cu.cm (iv) 816.80 cu.cm (v) 817.80 cu.cm
- 6. If the three sides of a triangular prism are 18.00 cm, 20.00 cm, 9.00 cm and L.S.A is 2256.00 sq.cm, its base area is



- (i) 83.99 sq.cm (ii) 77.99 sq.cm (iii) 75.99 sq.cm (iv) 80.99 sq.cm (v) 85.99 sq.cm
- 7. If the three sides of a triangular prism are 10.00 cm, 12.00 cm, 11.00 cm and L.S.A is 495.00 sq.cm, its base perimeter is



(i) 30.00 cm (ii) 33.00 cm (iii) 36.00 cm (iv) 28.00 cm (v) 38.00 cm

8. If the three sides of a triangular prism are 16.00 cm, 16.00 cm, 18.00 cm and L.S.A is 2400.00 sq.cm, its height is



- (i) 43.00 cm (ii) 45.00 cm (iii) 48.00 cm (iv) 53.00 cm (v) 51.00 cm
- 9. If the three sides of a triangular prism are 14.00 cm, 14.00 cm, 5.00 cm and L.S.A is 1485.00 sq.cm, its T.S.A is



- (i) 1553.88 sq.cm (ii) 1633.88 sq.cm (iii) 1293.88 sq.cm (iv) 1403.88 sq.cm (v) 1723.88 sq.cm
- 10. If the three sides of a triangular prism are 7.00 cm, 15.00 cm, 16.00 cm and L.S.A is 570.00 sq.cm, its volume is



- (i) 769.65 cu.cm (ii) 811.65 cu.cm (iii) 784.65 cu.cm (iv) 797.65 cu.cm (v) 758.65 cu.cm
- 11. If the three sides of a triangular prism are 11.00 cm, 10.00 cm, 9.00 cm and volume is 2036.64 cu.cm, its base area is



(i) 45.43 sq.cm (ii) 39.43 sq.cm (iii) 47.43 sq.cm (iv) 42.43 sq.cm (v) 37.43 sq.cm

12. If the L.S.A of a triangular prism is 705.00 sq.cm, base area is 80.99 sq.cm and base perimeter is 47.00 cm, its height is



13. If the L.S.A of a triangular prism is 1326.00 sq.cm, base area is 53.44 sq.cm and base perimeter is 34.00 cm, its T.S.A is



- (i) 1552.88 sq.cm (ii) 1572.88 sq.cm (iii) 1162.88 sq.cm (iv) 1432.88 sq.cm (v) 1372.88 sq.cm
- 14. If the L.S.A of a triangular prism is 672.00 sq.cm, base area is 27.50 sq.cm and base perimeter is 28.00 cm, its volume is



- (i) 683.00 cu.cm (ii) 633.00 cu.cm (iii) 660.00 cu.cm (iv) 644.00 cu.cm (v) 672.00 cu.cm
- 15. If the L.S.A of a triangular prism is 1431.00 sq.cm, T.S.A is 1698.86 sq.cm and height is 27.00 cm, its base area is



(i) 116.93 sq.cm (ii) 133.93 sq.cm (iii) 115.93 sq.cm (iv) 141.93 sq.cm (v) 149.93 sq.cm

16. If the L.S.A of a triangular prism is 1974.00 sq.cm, T.S.A is 2168.30 sq.cm and height is 42.00 cm, its base perimeter is



(i) 47.00 cm (ii) 52.00 cm (iii) 44.00 cm (iv) 42.00 cm (v) 50.00 cm

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

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