

- Q.1) The floor of a rectangular hall has a perimeter 250m. If the cost of painting the four walls at the rate of Rs. 10/m² is Rs. 15000, find the height of the hall. (3)
- Q.2) A cylindrical pillar is 50cm in diameter and 3.5m in height. Find the cost of painting the curved surface of the pillar at the rate of ₹ 12.50/m². (3)
- Q.3) A joker's cap is in the form of a right circular cone of base radius 7cm and height 24cm. Find the area of the sheet required to make such 10 caps. (3)
- Q.4) The diameter of moon is approximately one fourth of the diameter of the earth. Find the ratio of their surface areas. (3)
- Q.5) The volume of a right cone is 9856 cm³. If the diameter of the base is 28cm, find.
(i) height of the cone
(ii) slant height of the cone. (3)