1. The volume of a conical tent is $462m^3$ and the area of the base is $154m^2$. The height of the cone is:

   (a) $15m$

   (b) $12m$

   (c) $9m$

   (d) $24m$

2. The radius of a roller $100cm$ long is $14cm$. The curved surface area of the roller is: $(Take\pi = \frac{22}{7})$

   (a) $13200cm^2$

   (b) $15400cm^2$

   (c) $4400cm^2$

   (d) $8800cm^2$

3. A solid cone of radius $5cm$ and height $9cm$ is melted and made into small cyliders of radius of $0.5cm$ and height $1.5cm$. Find the number of cylinders so formed.

4. A solid wooden cylinder is of radius $6cm$ and height $16cm$. Two cones ech of radius $2cm$ and height $6cm$ are drilled out of the cylinder. Find the volume of the remainiing solid.

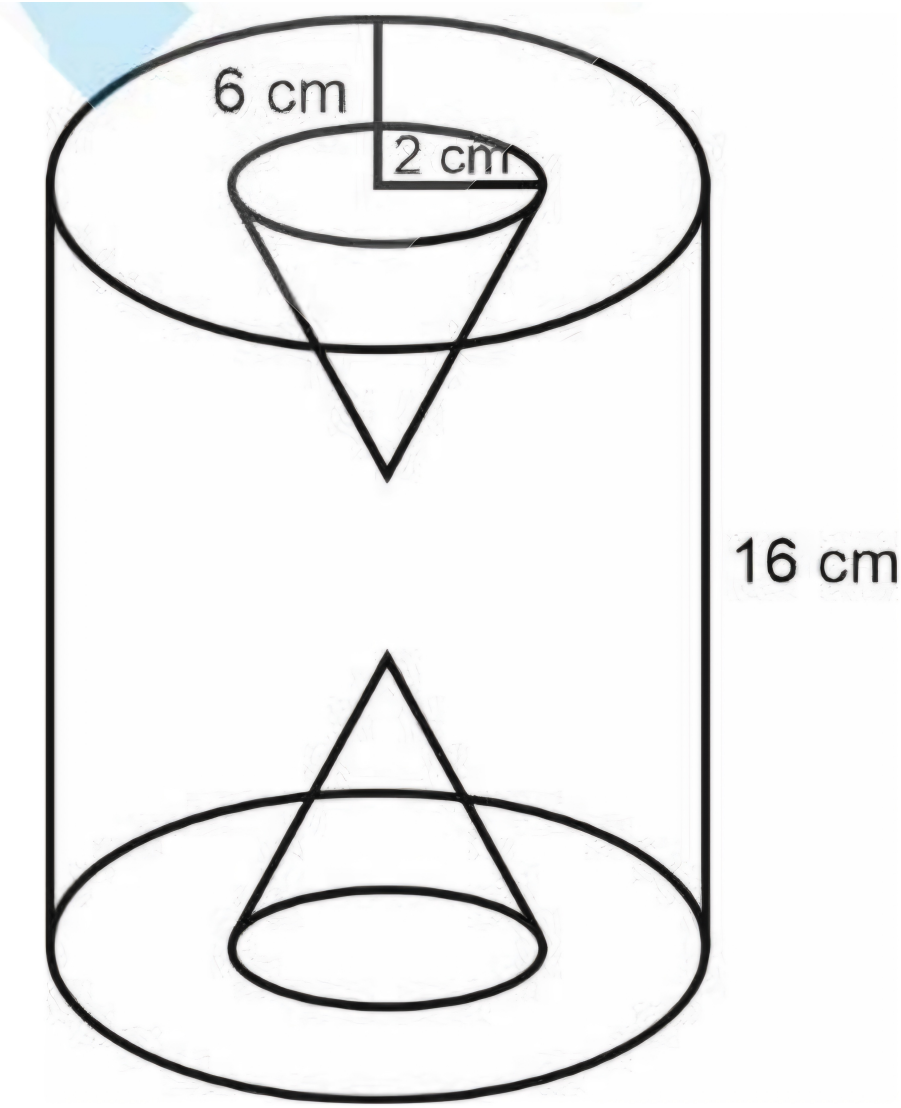

Figure 1: