

Group - 8

Names:-

- 1) Shambhavi Parab
- 2) Sanjana Somani
- 3) Chandana Galgali
- 4) Vedika Sonve
- 5) Samyukta Nair

Calculations:-

→ $r_1 = 3 \text{ cm}$ (driven)

→ $r_2 = 1.4 \text{ cm}$ (driver pulley)

→ driver speed = 200 rpm

$$\therefore \frac{3}{1.4} \times 200$$

$$\text{driver speed} = \underline{\underline{428.57 \text{ rpm}}}$$



