Rotations of motor per minute (rpm) = 200

No. of teeth on driver gear = 25

No. of teeth on driven gear = 40

∴ According to condition,

$$\text{Speed of driver gear} = \frac{\text{No. of teeth on driver gear} \times \text{rpm}}{\text{No. of teeth on driven gear}}$$

$$= \frac{25 \times 200^{5}}{40_{1}}$$

Speed of driver gear = 125 rpm