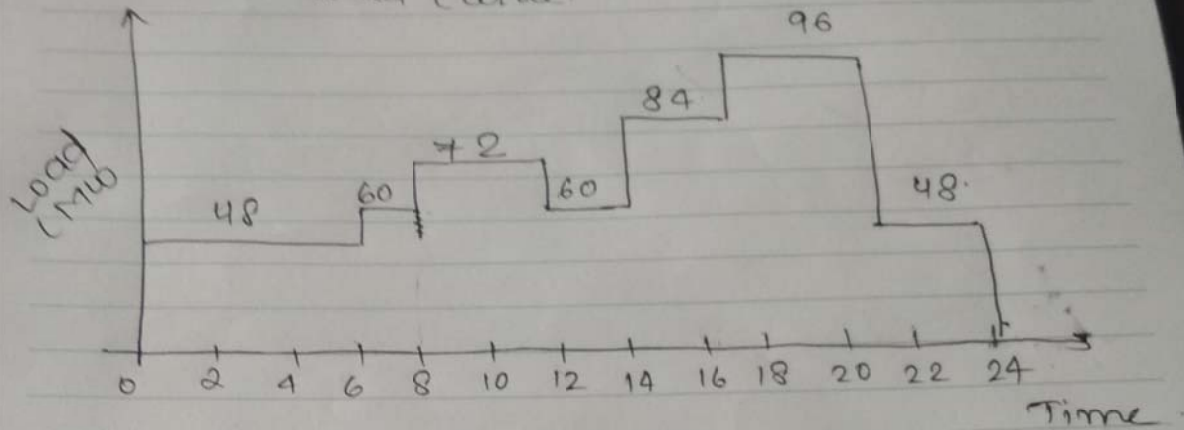


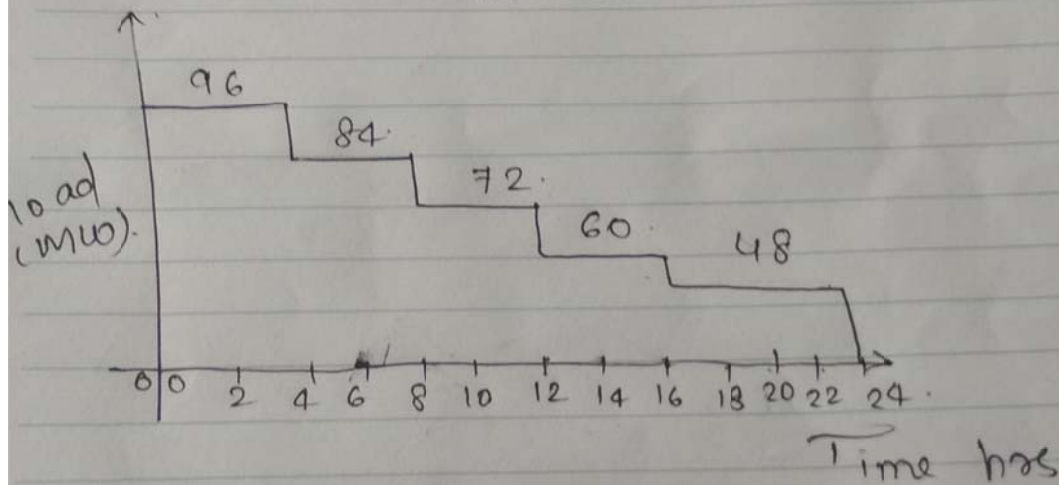
Q.3(a)  
Subject

Date

Load Curve.



Load duration Curve.



$$\text{Load factor} = \frac{\text{Avg load}}{\text{Max demand}}$$

$$\text{Avg load} = \frac{(96 \times 4) + 84 \times 4 + (72 \times 4) + (60 \times 4) + (48 \times 8)}{24}$$

$$= \frac{80 \text{ MW}}{96 \text{ MW}}$$

$$\text{L.F} = \frac{80}{96} = \underline{\underline{8.33}}$$