

IV. A. What are the important operating characteristics of a queuing system?

**OR**

B. What is an EOQ model? What are its assumptions? Explain what is meant by a P system of inventory control.

V. A. What are the important factors which influence facility location? Examine the different types of plant lay outs.

**OR**

B. Write short notes on any three:

- (i) Safety stock
- (ii) Just – in – time production
- (iii) Inventory control for services
- (iv) Line Balancing
- (v) Game theory.

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