

Roll No.

Total No. of Pages : 01

Total No. of Questions : 09

B.Tech (Ind. Engg. & Mgt.) (Spl. in TQM) (Sem.-3)**OPERATIONS MANAGEMENT**

Subject Code : IEM-301

Paper ID : [61011]

Time : 3 Hrs.

Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :

1. Attempt All EIGHT questions from SECTION-A carrying TWO marks each.
2. Attempt any SIX questions out of EIGHT from SECTION-B carrying FOUR marks each.

SECTION-A**Q1. Answer briefly :**

- a. List and discuss the different types of productive systems.
- b. Comment on the various issues / problems faced in facility location planning.
- c. How are layout designs for service facilities determined?
- d. Discuss the various tools for recording and assessment of material movement.
- e. List and discuss the various forecasting time horizons.
- f. What is the significance and role of capacity augmentation?
- g. Discuss and differentiate between MRP and MRP-II.
- h. List and discuss the various rules for job scheduling.

SECTION-B

- Q2) Comment on the various challenges being faced in the operations management sector in India.
- Q3) List and discuss the different steps involved in the location decision process. Give examples to support your answer.
- Q4) List and discuss the various performance measures for layout designs.
- Q5) Discuss the classification of various material handling systems, giving examples.
- Q6) Explain the various methods of aggregate production planning.
- Q7) Comment on the measures and time horizons of capacity planning.
- Q8) What is meant by MPS? Explain how is an MPS developed?
- Q9) List and discuss the various functions of production control.