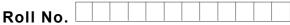


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B.Tech (Ind. Engg. & Mgt.) (Spl. in TQM) (Sem.–3) OPERATIONS MANAGEMENT Subject Code : IEM-301

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.

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