

Code No. 12071

FACULTY OF MANAGEMENT
MBA (CBCS) III – Semester Examination, February 2021
Subject: Operations Management
Paper: MB 301

Time: 2 Hours

Max. Marks: 80

PART – A

Note: Answer any four questions.

(4 x 5 = 20 Marks)

- 1 Operations strategy
- 2 Master production scheduling
- 3 Time study
- 4 Manufacturing resource planning
- 5 Safety stock

PART – B

Note: Answer any four questions.

(4 x 15 = 60 Marks)

- 6 Explain the similarities and differences between products and services with suitable examples?
- 7 What is process technology and explain the different process technologies used in the production?
- 8 Define plant layout? Explain the characteristics of an ideal facility layout?
- 9 From the following data, find the sequence that minimizes the total elapsed time. Also calculate the machine idle time.

Jobs	A	B	C	D	E	F	G
M1	7	12	11	8	13	12	11
M2	8	7	6	9	5	8	7
M3	10	11	9	15	9	10	1

- 10 Define work study and explain the advantages and objectives of work study?
- 11 Discuss in detail the scheduling challenges in various service operations?
- 12 What is materials requirements planning and explain the advantages and disadvantages of MRP.
- 13 Define value analysis and explain the role of value analysis in reducing the cost with suitable examples?
- 14 Explain the objectives and functions of stores management?
- 15 Discuss in detail about probabilistic models of inventory?
