

1812-18-672-064.

Code No. 12010

**FACULTY OF MANAGEMENT**  
**M.B.A. III – Semester (CBCS) Examination, December 2019**

**Subject: Operations Management**  
**Paper – MB – 301**

**Time: 3 Hours**

**Max.Marks: 80**

**Note: Answer all the questions from Part-A and Part-B.**  
**Each question carries 4 marks in Part-A and 12 marks in Part-B.**

**PART – A (5x4 = 20 Marks)**  
**[Short Answer Type]**

**Note: Answer all the questions in not more than one page each.**

- 1 Batch Processing Method
- 2 Line Balancing
- 3 Work Study
- 4 Materials Management
- 5 Safety Stock

**PART – B (5x12 = 60 Marks)**  
**[Essay Answer Type]**

**Note: Answer all the questions by using internal choice in not exceeding 4 pages each.**

- 6 a) Define and discuss the importance of Production Planning and Control (PPC). Explain the functions of PPC.  
**OR**  
b) Define Process Design and briefly explain the factors affecting Process Design.
- 7 a) Discuss different types of facility layouts. Also discuss the problems faced while deciding on a facility layout.  
**OR**  
b) There are nine jobs, each of which must go through two machines P and Q, in the order PQ, the processing times (in hours) are given below:

Machine	Jobs								
	A	B	C	D	E	F	G	H	I
P	2	5	4	9	6	8	7	5	4
Q	6	8	7	4	3	9	3	8	11

Find the sequence that minimizes the total elapsed time.

- 8 a) Discuss the concept and importance of Method Study and Work Measurement.  
**OR**  
b) Explain the challenges in scheduling various service operations.
- 9 a) Compare and contrast Materials Requirement Planning and Manufacturing Resource Planning.  
**OR**  
b) What are the different methods of vendor evaluation?
- 10 a) What are the functions and types of Inventory Management?  
**OR**  
b) Considering the data illustrated in table below, conduct an ABC analysis.

Item No.	101	102	103	104	105	106	107	108	109	110
Unit Cost	5	11	15	8	7	16	20	4	9	12
Annual Demand	4800	2000	300	800	4800	1200	18000	300	5000	500

\*\*\*\*