

Calculate the cycle time, theoretical minimum number of workstations and percentage of utilisation.

UNIT - III

6. Explain the trends and future in supply chain management and increasing supply chain responsiveness.
7. What is the importance of logistics ? Explain decision areas and strategies of logistics management.

UNIT - IV

8. Discuss the role of inventory, its types, drivers and demand inventory in OSCM organizations.
9. Discuss in detail about social issue and relationship development in SCM.

Roll No.

12027

**MBA 2 Year 2nd Semester (CBCS)
(2016-17) Examination-May, 2017**

**OPERATIONS AND SUPPLY CHAIN
MANAGEMENT**

(DISCIPLINE SPECIFIC ELECTIVE COUSES)

Paper : 16IMG22D1

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note: The question paper is divided in **two** sections. Section A comprising **eight** short answer type questions (carrying **two** marks each, which are **compulsory**. Answer to each questions should not exceed 50 words normally) Section B comprising 8 question (two question from each unit). The students are required to attempt **four** questions selecting **one**

questions from each unit. All questions will carry equal marks.

SECTION - A

1. Short answer type questions :

- (a) Differentiate between in sourcing and outsourcing.
- (b) What are different layouts ?
- (c) What do you mean by JIT and where is it used ?
- (d) Describe forecasting requirements in supply chain management.
- (e) Enlist the factors responsible for selecting a process.
- (f) Discuss the location factors of OSCM.
- (g) What do you mean by lean production ?
- (h) Enlist different type of material handling equipment.

SECTION - B

UNIT - I

- 2.** What are the factors affecting operations management ? Explain the role and importance of decision making in operation management.

- 3.** Discuss in detail different types of manufacturing processes and their characteristics with special reference to CMT/GT.

UNIT - II

- 4.** Discuss in detail just-in-time perspective in operations management.
- 5.** A company is setting up an assembly line to produce tablets. They intend to use line balancing. They know the demand per hour is 40 tablets and the productive time per hour is 54 minutes. Displayed below is the data they have collected regarding task precedence and times (in minutes) :

Task	Tasks that must Immediately precede	Time to Perform task
A	---	.40
B	A	1.20
C	A	.90
D	B	.70
E	B	.60
F	C	.35
G	D,E	1.00
H	F, G	0.80
I	H	0.50