BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT STUDIES, BHUBANESWAR

Semester: 9th Sem. IMBA
Batch: 2019-24
Subject- SOP
Subject Code: 16IMN901D

Date: 11/10/2023
Class Test-II
Duration: 1 Hour
Full Marks: 30

Section A

Q1. Briefly answer any FOUR of the following questions.   (2x4=8)

    a) What is capacity planning?

    b) Define aggregate planning?

    c) What is level production strategy?

    d) Define MRP? Give one example of MRP in services.

    e) What is Master production scheduling?

Section B

Q2. Answer any TWO of the following questions.   (6x2=12)

a) A job shop is having the following jobs on schedule,

Job	Processing Time(hours)	Due Date
1	8	10
2	6	12
3	15	20
4	3	18
5	12	22

Find the optimal sequence by using EDD rule; also find the flow time and average lateness.

b) What is the difference between forward scheduling and backward scheduling? Explain it.

c) Explain briefly the master production scheduling (MPS).

Section C

Q3. Answer any ONE of the following questions.   (10x1=10)

a) What is aggregate planning? What are the need, purpose and techniques for aggregate planning?

b) Discuss in detail the role of ERP in operations planning and control.

-: Best of Luck:-

Semester: 9th Sem. IMBA
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Section A

Q1. Briefly answer any FOUR of the following questions. (2x4=8)

a) What do you mean by Gantt chart?

b) Define flexible manufacturing System.

c) What is Kanban system

d) What do you mean by Pull Kanban?

e) Define CONWIP.

Section B

Q2. Answer any TWO of the following questions. (6x2=12)

a) Briefly describe the Impact of Theory of Constraint (TOC) in Manufacturing Environment.

b) Briefly write down the function and objectives of Drum Buffer Methodology.

c) Write down the different Scheduling Priority Rules.

Section C

Q3. Answer any ONE of the following questions. (10x1=10)

a) Briefly describe Kanban System in Manufacturing Environment and differentiate between Pull & Push Kanban System.

b) Briefly write down about Flexible manufacturing system and explain the conceptual model of FMS along with applications.

-:Best of Luck:-

Section A

Q1. Briefly answer any FOUR of the following questions.   (2x4=8)

a) Explain the concept of Green Sourcing? Give an example.

b) Why do we do vendor rating in sourcing management?

c) What is meant by supplier score card?

d) What is EOQ?

e) Enlist the steps involved in E-sourcing process.

Section B

Q2. Answer any TWO of the following questions.   (6x2=12)

a) Briefly explain the concept of E-Sourcing.

b) Discuss the advantages and disadvantages of foreign exchange currency in brief.

c) What do you mean by Learning Curve? Explain its uses and limitations.

Section C

Q3. Answer any ONE of the following questions.   (10x1=10)

a) Why is it important for purchasing managers to understand legal issues? Isn't that what lawyers are for?

b) What is solicitation of bid or proposal? Explain the types of solicitation. Mentions the various methods of solicitation.

-: Best of Luck :-