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**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
& MANAGEMENT STUDIES, BHUBANESWAR**

Semester : 4th Sem. MBA

Batch : 2024-26

Subject : Mgmt. of Manufacturing System

Subject Code : MBPC4007

Date : 09.02.2026

Class Test : I

Duration : 1 Hr.

Full Marks : 30

Section- A

1. **Answer any four out of following questions.** [4 x 2 = 8]
- a) Define Group Technology? [CO1]
 - b) What is the role of computers in Computer Aided Process Planning? [CO3]
 - c) Explain SIPOC Diagram [CO2]
 - d) Explain the terms cell and part family [CO1]
 - e) What are the different Process Mapping Symbols [CO1]

Section-B

2. **Answer any two questions out of following** [2 x 6= 12]
- a) What is the underlying principle of Cellular Manufacturing Systems? Mention the considerations to be made while designing a cell. [CO2]
 - b) Explain the differences between a Product and a Process Layout [CO3]
 - c) State and explain the principles of Material Handling System [CO1]

Section-C

3. **Answer any one out of following questions.** [1 x 10= 10]
- a) What is Manufacturing System and mention its classification. Briefly explain Principles of Manufacturing Plant Layout. [CO1]
 - b) How do you classify elements into part families? State and explain the benefits of Group Technology. [CO2]

All the Best

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**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
& MANAGEMENT STUDIES, BHUBANESWAR**

Semester : 4th Sem. MBA
Batch : 2024-26
Subject : Sourcing Management
Subject Code : MBPC4008

Date : 10.02.2026
Class Test : I
Duration : 1 Hr.
Full Marks : 30

Section- A

1. **Answer any four out of following questions.** [4 x 2 = 8]
- a) Differentiate between insourcing and out sourcing? [CO1]
 - b) Differentiate between local and global sourcing? [CO1]
 - c) What is the sourcing risk? Give an example. [CO2]
 - d) What do you mean by forced decision matrix? [CO3]
 - e) What is Request for Proposal in negotiation strategy? [CO3]

Section-B

2. **Answer any two questions out of following** [2 x 6= 12]
- a) Write advantages and disadvantage of global sourcing. [CO1]
 - b) Write a note on various criteria for evaluation of vendor's performance. [CO2]
 - c) Why is negotiation such an important part of purchasing process? [CO2]

Section-C

3. **Answer any one out of following questions.** [1 x 10= 10]
- a) Discuss the concept of strategic sourcing and Vendor Management. Highlights some major activities typically associated with sourcing management. [CO3]
 - b) Define risks in sourcing management. Briefly describe the risk management tools and techniques to manage risks related to global sourcing. [CO2]

All the Best