



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

**Semester : 3rd Sem. IMBA
Batch : 2024-29
Subject : Quantitative Methods-II
Subject Code : IMQT3001**

**Date : 07.11.2025
Class Test : II
Duration : 1 Hr.
Full Marks : 30**

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a. Define Reneging and balking. (CO1)
 - b. What is Tag No.? (CO1)
 - c. Define Transition Probability Matrix. (CO1)
 - d. What is simulation? Write the different types of Simulation? (CO1)
 - e. Explain the queue discipline in queuing system. (CO1)

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a. Write down the steps involved in Monte Carlo Simulation technique. (CO2)
 - b. Explain Kendall's notation in details. (CO2)
 - c. Write the three advantages and disadvantages of simulation. (CO2)

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a. A house wife buys three kinds cereals: A, B and C. She never buys the same cereal on successive weeks. If she buys cereal A, then the next week she buys cereal B. However, if She buys either B or C, then the next week she is three times as likely to buy A as the other brand. Obtain the transition probability matrix and determine how often she would buy each of the cereals in the long run. (CO3)
 - b. A Manufacturing Company keeps stock of a special product. Previous experience indicates the daily demand as given below

c. Daily demand	5	10	15	20	25	30
Probability	0.01	.20	.15	.50	.12	.02

Simulate the demand for next 10 days and find its average using the random numbers 82,96,18,96,20,84,56,11,52 and 03. (CO3)

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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Semester : 3rd Sem. IMBA
Batch : 2024-29
Subject : Principles of Management
Subject Code : IMPC3001

Date : 07.11.2025
Class Test : II
Duration : 1 Hr.
Full Marks : 30

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a) Describe the various types of planning practiced in management. [CO1]
 - b) Explain the significance of informal organization in management. [CO3]
 - c) Discuss the types of cultural diversity that exist in the workplace [CO3]
 - d) Define the principle of Unity of Command with an example. [CO1]
 - e) Define organizational culture? [CO3]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Define organizational structure. Discuss the different types of organizational structures with examples. [CO2]
 - b) Define departmentalization and explain its different bases. Highlight the advantages and disadvantages of each. [CO2]
 - c) Discuss the concept of delegation of authority and explain its importance in managerial effectiveness. [CO2]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) Discuss how managers progress through the different stages of the planning process to achieve organizational objectives, supporting your answer with suitable examples. [CO3]
 - b) Explain how formal and informal organizations differ in their structure, purpose, and impact on managerial effectiveness. [CO3]

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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Batch : 2024-29

Subject : Law of Contract

Subject Code : IMEV3001

Class Test : II

Duration : 1 Hr.

Full Marks : 30

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a) Explain partnership by holding out. [CO1]
 - b) What is counter offer and cross offer? [CO1]
 - c) What is partnership deed? [CO1]
 - d) What is Del credere agent? [CO1]
 - e) Explain what do you understand by 'Risk follow the owner'. [CO1]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Explain various modes of creation of agency. [CO2]
 - b) Discuss the rights of a minor as a partner. [CO2]
 - c) What are difference between general lien & particular lien? [CO2]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) Who can perform the contract? [CO3]
 - b) What are the duties and rights of the partners? [CO3]

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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**Semester : 3rd Sem. IMBA
Batch : 2024-29
Subject : Introduction To AI
Subject Code : IMQT3201**

**Date : 07.11.2025
Class Test : II
Duration : 1 Hr.
Full Marks : 30**

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a) What are the key steps involved in the workflow of a machine learning project? [CO3]
 - b) Explain how every job function needs to learn how to use data in an AI-driven organization. [CO3]
 - c) What are the common pitfalls to avoid while building AI projects in an organization? [CO4]
 - d) Differentiate between the roles of an AI engineer and a data scientist in an AI team. [CO4]
 - e) Describe briefly what the term AI Transformation Playbook means. [CO4]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Discuss the major stages in the workflow of a data science project. Support your answer with a real-world example. [CO3]
 - b) Explain how organizations can identify and choose suitable AI projects using AI Transformation Playbook principles. [CO4]
 - c) Describe the key components and example roles within an AI team responsible for project implementation. [CO4]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) Evaluate the process of integrating AI into an organization using examples from the case studies: Smart Speaker and Self-Driving Car. [CO4]
 - b) Examine the societal and ethical implications of deploying AI solutions in large-scale industries, including bias and job displacement issues. [CO5]

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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Semester : 3rd Sem. IMBA
Batch : 2024-29
Subject : Fundamental of Economics Analysis
Subject Code : IMEV3002

Date : 06.11.2025
Class Test : II
Duration : 1 Hr.
Full Marks : 30

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a) Define Isoquant. [CO3]
 - b) Narrate MRTSLK. [CO3]
 - c) Write a short note on Indifference Curve. [CO2]
 - d) State the Iso-cost Line. [CO3]
 - e) Write any two relationships between Marginal Product and Average Product. [CO3]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Briefly discuss the market equilibrium. [CO2]
 - b) Write the properties of Indifference Curve. [CO2]
 - c) Discuss the different types of costs. [CO3]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) Diagrammatically explain the Law of Variable Proportion. [CO3]
 - b) Briefly explain the producer's equilibrium by using Isoquant and Iso-Cost line. [CO3]

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**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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**Semester : 3rd Sem. IMBA
Batch : 2024-29
Subject : Cost Accounting
Subject Code : IMPC3002**

**Date : 06.11.2025
Class Test : II
Duration : 1 Hr.
Full Marks : 30**

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a) Briefly explain overheads and give examples? [CO1]
 - b) What is Goods received note? [CO1]
 - c) Define carrying cost and give examples? [CO2]
 - d) Explain Purchase order? [CO1]
 - e) State and explain maximum stock level and give its formula? [CO2]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Enumerate idle time and give its treatment? [CO2]
 - b) What is overtime and give its treatment? [CO2]
 - c) Calculate the earnings of a worker under Rowan Plan [CO2]
Time allowed=48hours
Time taken=40 hours
Rate per hour=Rs 10

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) What is labour turnover ratio and explain its effect? [CO2]
 - b) Prepare stores ledger account for the month of January under FIFO method [CO3]
Jan. 1 Opening stock 100 units@Rs8 per unit
Jan.5 Received 200 units@ Rs 6 per unit
Jan.7 Issued 50 units
Jan.12 Received 300 units@ Rs5 per unit
Jan.20 Issued 150 units
Jan.23 Received 25 units @ Rs4 per unit
Jan.27 Received 150 units @ Rs2 per unit
Jan.28 Issued 200 units
Jan.31 Issued 250 units.

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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**Semester : 3rd Sem. IMBA
Batch : 2024-29
Subject : Marketing Management - II
Subject Code : IMPC3003**

**Date : 06.11.2025
Class Test : II
Duration : 1 Hr.
Full Marks : 30**

Section- A

- 1. Answer any four out of following questions. [4 x 2 = 8]**
- a) Define Advertisement? [CO2]
 - b) What is a Kiosk? [CO2]
 - c) Explain Fad? [CO2]
 - d) What do you mean by Brand? [CO2]
 - e) Explain Market Testing? [CO2]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Explain Individual branding and Umbrella branding. Give example of each [CO2]
 - b) Explain the steps in Personal Selling. [CO2]
 - c) Difference between Public Relations and Publicity. [CO2]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) What is Sales Promotion? For who all is it done? Name a few tools of Sales Promotion. [CO2]
 - b) Explain the stages in PLC? [CO2]

All the Best