BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT STUDIES, BHUBANESWAR

Semester : 3rd Sem. IMBA   **Date : 08.09.2025**
Batch : 2024-29   **Class Test : I**
Subject : Quantitative Methods-II   **Duration : 1 Hr.**
Subject Code : IMQT3001   **Full Marks : 30**

Section- A

1. **Answer any four out of following questions.**   **[4 x 2 = 8]**

    a) Explain Strategy. What are the various classifications of strategy?   [CO1]

    b) Write-down the situation where players employ a mixed strategy.   [CO1]

    c) What do you mean by Payoff Matrix?   [CO1]

    d) Define the term "Fair Game" with suitable example.   [CO1]

    e) Differentiate between two person game and two person zero-sum game. [CO1]

Section-B

2. **Answer any two questions out of following**   **[2 x 6= 12]**

    a) Find the saddle point of the following game.   [CO2]

    $$\begin{bmatrix} 25 & 20 & 35 \\ 50 & 45 & 55 \\ 58 & 42 & 40 \end{bmatrix}$$

    b) Two players A and B match coins. If the coins match, then A wins two units of value. If coins do not match, then B wins two units of value. Determine the optimum strategies for the players and the value of game.   [CO2]

    c) Write down all the properties associated with dominance rule. Explain, when the principle of dominance applied?   [CO2]

Section-C

3. **Answer any one out of following questions.**   **[1 x 10= 10]**

    a) Solve the following game using Graphical Method.   [CO3]

    $$\begin{bmatrix} 1 & -3 \\ 3 & 5 \\ -1 & 6 \\ 4 & 1 \\ 2 & 2 \\ -5 & 0 \end{bmatrix}$$

    b) Solve the following game using Dominance Rule.   [CO3]

    $$\begin{bmatrix} 1 & 7 & 2 \\ 6 & 2 & 7 \\ 5 & 1 & 6 \end{bmatrix}$$

All the Best

BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT STUDIES, BHUBANESWAR

Semester : 3rd Sem. IMBA   Date : 08.09.2025
Batch : 2024-29   Class Test : I
Subject : Principles of Management   Duration : 1 Hr.
Subject Code : IMPC3001   Full Marks : 30

Section- A

1. **Answer any four out of following questions.**   **[4 x 2 = 8]**

   a) How would you define management in the contemporary business environment?
       [CO1]
   b) Discuss the different characteristics of management in any organization? [CO2]

   c) Explain the Technical Skills of managers with example?   [CO2]

   d) What do you mean by Unity of Command?   [CO1]

   e) How Authority and Responsibility are related?   [CO2]

Section-B

2. **Answer any two questions out of following**   **[2 x 6= 12]**

   a) Discuss the Contribution of Michael Porter in today's fast paced business environment.   [CO3]

   b) Explain the different levels of management along with functions associated with it.
       [CO1]
   c) What are the principles developed by F.W. Taylor under scientific management thought?   [CO1]

Section-C

3. **Answer any one out of following questions.**   **[1 x 10= 10]**

   a) Discuss various functions of management with suitable example.   [CO1]

   b) Explain the various roles played by the managers and its importance for the organization.   [CO2]

All the Best

Semester : 3ʳᵈ Sem. IMBA **Date : 08.09.2025**
Batch : 2024-29 **Class Test : I**
Subject : Law of Contract **Duration : 1 Hr.**
Subject Code : IMEV3001 **Full Marks : 30**

Section- A

1. **Answer any four out of following questions.** **[4 x 2 = 8]**

   a) What is contract ? What are components of contract ? [CO1]

   b) Define Coercion ? [CO2]

   c) What is Quasi contract? What are features of quasi contract? [CO2]

   d) X, a minor,lent Rs10000/ to Y at market rate of interest. After a year, when X attained majority, he filed a suit against Y for recovery of the amount for Y. Y contended that since X is minor at the time when the loan was advanced, the contract is void. Will Y succeed ? [CO2]

   e) Distinguish between condition and Warranty ? [CO2]

Section-B

2. **Answer any two questions out of following** **[2 x 6= 12]**

   A – Differentiate between Cross offer and Counter offer. [CO1]

   B- Distinguish between Offer and Acceptance. [CO1]

   C- What are circumstances in which consent is said to be not free? [CO1]

Section-C

3. **Answer any one out of following questions.** **[1 x 10= 10]**

   a) Explain exceptions to proposition 'No Consideration, No contract'. [CO2]

   b) What is discharged of contract? How contract is discharged by Mutual agreement? [CO2]

All the Best

Semester : 3rd Sem. IMBA   **Date : 08.09.2025**
Batch : 2024-29   **Class Test : I**
Subject : Introduction To AI   **Duration : 1 Hr.**
Subject Code : IMQT3201   **Full Marks : 30**

Section- A

1.   **Answer any four out of following questions.**   **[4 x 2 = 8]**

   a. Define Artificial Intelligence (AI) with two real-life examples.   [CO1]

   b. Differentiate between Narrow AI and General AI with examples.   [CO1]

   c. What is data in AI? Mention its two types.   [CO2]

   d. Explain any two limitations of Machine Learning.   [CO2]

   e. Write a short note on what makes a company an AI company?   [CO4]

Section-B

2.   **Answer any two questions out of following**   **[2 x 6= 12]**

   a. Define Machine Learning. Explain its working with examples.   [CO2]

   b. Explain the key terminology of AI: Algorithm, Model, Dataset, and Features with examples.   [CO1]

   c. What Machine Learning can and cannot do? Explain with examples.   [CO5]

Section-C

3.   **Answer any one out of following questions.**   **[1 x 10= 10]**

   a. Write a detailed note on Deep Learning. Explain both technical and non-technical perspectives with examples.   [CO3]

   b. Discuss the role of data in AI and how machines learn from data. Explain the steps from data collection to prediction.   [CO2]

All the Best

Semester : 3ʳᵈ Sem. IMBA   **Date : 09.09.2025**
Batch : 2024-29   **Class Test : I**
Subject : Fundamental of Economics Analysis   **Duration : 1 Hr.**
Subject Code : IMEV3002   **Full Marks : 30**

Section- A

1.   **Answer any four out of following questions.**   **[4 x 2 = 8]**

   a) What is Snob Effect?   [CO2]

   b) What is the circular flow of income and output?   [CO1]

   c) Differentiate between Normative Economics and Positive Economics.   [CO1]

   d) Differentiate between Microeconomics and Macroeconomics.   [CO1]

   e) What are the types of demand?   [CO2]

Section-B

2.   **Answer any two questions out of following**   **[2 x 6= 12]**

   a) Differentiate between change in demand and change in quantity demanded. [CO2]

   b) What are the determinants of demand?   [CO2]

   c) Why does the demand curve slope downward?   [CO2]

Section-C

3.   **Answer any one out of following questions.**   **[1 x 10= 10]**

   a) Explain the Law of Demand.   [CO2]

   b) Eexplain the Law of Diminishing Marginal Utility.   [CO2]

All the Best

Semester : 3rd Sem. IMBA   **Date : 09.09.2025**
Batch : 2024-29   **Class Test : I**
Subject : Cost Accounting   **Duration : 1 Hr.**
Subject Code : IMPC3002   **Full Marks : 30**

Section- A

1. **Answer any four out of following questions.**   **[4 x 2 = 8]**

    a) Define Cost Accounting.   [CO1]

    b) Explain the objects of Cost Accounting.   [CO1]

    c) Why Cost Accounting came into existence?   [CO1]

    d) What is a Cost Sheet?   [CO1]

    e) What do you mean by Work-in-progress?   [CO1]

Section-B

2. **Answer any two questions out of following**   **[2 x 6= 12]**

    a) What is Direct Material and explain its complete formula.   [CO1]

    b) Explain the components of Total Cost.   [CO1]

    c) Explain the items which are excluded from cost.   [CO1]

Section-C

3. **Answer any one out of following questions.**   **[1 x 10= 10]**

    a) Distinguish between Financial Accounting and Cost Accounting.   [CO1]

    b) Prepare a cost sheet from the following for the year ending Aug2025.   [CO1]
       Direct Material Rs.37,500, Direct Labour 15,000, Direct Expenses 7,500
       Works Overheads 20% of Wages, Administration Overheads 10% of
       Works Cost, Selling Distribution Overheads Rs.3 per unit, Units Produced and
       Sold 1000 units, Profit 20% on Sales.

All the Best

Section- A

1.   **Answer any four out of following questions.**   **[4 x 2 = 8]**

a) What is Point of Parity and Point of Difference?   [CO1]

b) What is Impulse goods?   [CO1]

c) Explain Brand extension?   [CO1]

d) What is Line pruning?   [CO1]

e) What is Unsought goods?   [CO1]

Section-B

2.   **Answer any two questions out of following**   **[2 x 6= 12]**

a) What are the process? Explain 2nd stage of NPD.   [CO1]

b) Explain 5 Product Levels with examples   [CO1]

c) Explain Product Mix and strategies.   [CO1]

Section-C

3.   **Answer any one out of following questions.**   **[1 x 10= 10]**

a) Draw a table depicting four stages of PLC highlighting Characteristics, Marketing Objectives and 4 P Strategies in each stage.   [CO1]

b) Explain Product Classification of Consumer Goods   [CO1]

All the Best