



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

Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Corporate Finance
Subject Code : MBPC1004

Date : 19.03.2025
Class Test : I
Duration : 1 Hr.
Full Marks : 30

Section- A

1. Answer any four out of following questions. [4 x 2 = 8]
- a) What is corporate finance? [CO1]
 - b) Write down the important decisions taken by finance manager? [CO1]
 - c) Define Agency Problem. [CO1]
 - d) What do you mean by Capital Budgeting? [CO2]
 - e) In your opinion, what is the relevance of investing in long-term assets in the present era? [CO2]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- a) A person invests Rs. 20,000, Rs.15, 000, Rs.10, 000 and Rs.5, 000 at the end of 1st, 2nd, 3rd and 4th year respectively. How much he will receive at the end of 4th year if rate of interest is 10%p.a.? [CO1]

CF @ 10%	1st Year	2nd Year	3rd Year	4th Year
	1.1000	1.2100	1.3310	1.4641

- b) What is doubling period? Explain with suitable examples along with formula. [CO1]
- c) Discuss various steps in capital budgeting process. [CO2]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a. A person wants to receive Rs 50,000, Rs 1, 00,000, Rs 75,000 and Rs 95000 at the end of 1st, 2nd, 3rd and 4th year respectively. How much he should keep today to receive above amounts if the rate of interest is 12% p.a.? [CO1]

Year	1	2	3	4
PVF@ 12%	0.893	0.797	0.712	0.636

- b. Explain features of capital budgeting with example. [CO2]

All the Best



BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
& MANAGEMENT STUDIES, BHUBANESWAR

Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Management Information Systems
Subject Code : MBPC1009

Date : 20.03.2025
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 Data and Information. [CO1]
 - b. Define MIS. [CO1]
 - c. What is transaction processing system (TPS)? [CO1]
 - d. What is Datamining? [CO1]
 - e. Define DBMS. [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- a. What are the three main layers of a DBMS? [CO1]
 - b. What is data warehouse and discuss its merits and demerits. [CO1]
 - c. Explain the characteristics of DSS. [CO1]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a. What do you mean by Executive Information System? Draw its architecture and explain the systems on which it is dependent. Mention the various functions of EIS. [CO1]
 - b. What is information system? What are the different types information systems and how they are useful to different levels of Managers? [CO1]

All the Best



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

**Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Business Analytics
Subject Code : MBPC1008**

**Date : 20.03.2025
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 Business Analytics? [CO1]
 - b. What is the purpose of Data Collection in Business Analytics? [CO-1]
 - c. What is an outlier? [CO-2]
 - d. How do you handle missing values (NA) in R? [CO-2]
 - e. What does the ETL process stand for, and why is it critical in Analytics? [CO-5]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- a. What is the significance of Data Governance in Business Analytics? [CO-5]
 - b. What is the difference between a vector and a data frame in R explain with example? [CO-2]
 - c. What is Exploratory Data Analysis (EDA) and why is it important? [CO-2]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a. Explain the role of Predictive Analytics in business forecasting. Discuss various statistical techniques used for predictive modelling. [CO-3]
 - b. Explain the concepts of mean, median, and mode in statistics, highlighting their differences and the scenarios where each measure is most appropriate. Additionally, differentiate between variance and standard deviation, discussing their significance in statistical analysis with R Script. [CO-2]

All the Best



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

**Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Human Resource Management
Subject Code : MBPC1006**

**Date : 19.03.2025
Class Test : I
Duration : 1 Hr.
Full Marks : 30**

Section- A

1. Answer any four out of following questions. [4 x 2 = 8]
- a. List out the Scope of Human Resource Management? [CO1]
 - b. What is the significance of yield ratio in the recruitment process? [CO2]
 - c. What are the functions of HRM? [CO1]
 - d. How HRP can effectively applied? [CO2]
 - e. Differentiate between Personnel Management & Human Resource Management? [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- a. Point out the differences between Induction and Socialization and justify why it is essential in the organization. [CO2]
 - b. Explain how selection is different from recruitment? [CO1]
 - c. What is Job Analysis, Job Description and Job specifications? Explain. [CO1]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a. Recruitment is one of the important aspects of HRM. Do you agree? What are the various techniques of recruitment will you suggest to recruit from different sources? [CO2]
 - b. Explain how HRP help organizations to move from their current manpower position to the desired manpower position with a suitable example from a contemporary business scenario. [CO3]

All the Best



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

Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Cost and Management Accounting
Subject Code : MBPC1005

Date : 19.03.2025
Class Test : I
Duration : 1 Hr.
Full Marks : 30

Section- A

1. Answer any four out of following questions. [4 x 2 = 8]
- a) What is Management Accounting? [CO1]
 - b) How do you calculate cost of production? [CO1]
 - c) Define cost unit and cost center. Give examples for each. [CO1]
 - d) What is contract costing? Give suitable examples. [CO2]
 - e) Describe the FIFO method of pricing the material issues from the store. [CO2]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- a) What is cost accounting? Discuss its important objectives in a business entity. [CO1]
 - b) Distinguish between fixed cost and variable cost. With a suitable example explain how these costs do affect the price of the goods. [CO1]
 - c) The following particulars have been extracted in respect of material 'X' for the month of January 2024.
Jan. 1 Opening Stock – 100 units @ ₹ 8 per unit; Jan. 5 Received 200 units @ ₹ 6 per unit;
Jan. 7 Issued 50 units; Jan. 12 Received 300 units @ ₹ 5 per unit; Jan. 20 Issued 150 units;
Jan. 23 Received 250 units @ ₹ 4 per unit; Jan. 27 Received 150 units @ ₹ 2 per unit;
Jan. 28 Issued 200 units; Jan. 31 Issued 250 units.
Prepare a stores ledger for material 'X' under FIFO method. [CO2]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a. From the following information of a manufacturer, prepare a Cost Sheet showing different elements of total cost for the month ending February 2025.
Raw Material Consumed: Rs. 25,500. Direct Wages: Rs. 13,300. Machine hours worked: 2400 Hours. Machine hour rate: Rs. 0.50. Office Overhead: 5% of works cost. Selling overhead: Rs. 0.10 per unit. Units Produced: 21,000 units. Units Sold: 19,000 units. Selling price per unit: Rs. 3. [CO1]
 - b. Explore how businesses determine costs using specific order costing and continuous operation costing, and identify the industries where these methods are most effectively applied. [CO2]

All the Best



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

Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Int. to AI
Subject Code : MBPC1011

Date : 21.03.2025
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 Artificial Narrow Intelligence? [CO1]
 - b. How does supervised learning improve customer retention strategies? [CO1]
 - c. What are the significance of data in the context of AI? [CO1]
 - d. What is Neural Language Processing? [CO1]
 - e. What is Algorithm? Why it is used? [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- a. Distinguish between structured and unstructured data? [CO1]
 - b. Explain Reinforcement Learning and how it is different from Deep Learning? [CO1]
 - c. What are the difference between AI and Internet companies? [CO1]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a. Explain Machine Learning, describe briefly types of Machine Learning and challenges might arise with labeled data in machine learning. [CO1]
 - b. What is Artificial Intelligence, describe briefly types of Artificial Intelligence and role of AI Data in customer service? [CO1]

All the Best



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

**Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Strategic Management
Subject Code : MBPC1010**

**Date : 21.03.2025
Class Test : I
Duration : 1 Hr.
Full Marks : 30**

Section- A

1. Answer any four out of following questions. [4 x 2 = 8]
- a) The word "Strategy" is derived from which word and what is its meaning? [CO1]
 - b) Differentiate between vision and mission of a company. [CO1]
 - c) How many levels of strategy are there? Name each level of strategy. [CO3]
 - d) What is the purpose of a SAP? [CO2]
 - e) What do you understand by external business environment? [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6 = 12]
- a) What do you mean by strategic intent? Explain the hierarchy of strategic intent. [CO1]
 - b) Describe the internal variables of business environment. [CO1]
 - c) Explain the meaning of objectives. What are the factors to be considered while setting objectives? [CO1]

Section-C

3. Answer any one out of following questions. [1 x 10 = 10]
- a) Is Strategic Management a process? Explain the strategic management process with suitable examples. [CO2]
 - b) Sweet Delights Bakery is known for its delicious homemade cakes and has many loyal customers. However, a big bakery chain has recently opened nearby, attracting more customers with lower prices. The bakery owner is unsure how to compete. Use the SWOC framework to analyse this situation. [CO3]

All the Best



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

**Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Operation Management
Subject Code : MBPC1007**

**Date : 21.03.2025
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 the concept of operation function? [CO1]
 - b) Differentiate between Manufacturing & Production. [CO1]
 - c) Define Service operation with example. [CO1]
 - d) What do you mean by Capacity Planning? [CO1]
 - e) Define the concept work measurement. [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6 = 12]
- a) An 8 hour work measurement study in a plant reveals the following: Units produced = 320 numbers. Idle time = 15%, Performance rating = 120%. Allowances = 12% of normal time. Determine the standard time per unit produced. [CO2]
 - b) Differentiate between product and service and also explain which one is better with respect to Operation Management. [CO1]
 - c) What is strategy? Briefly explain operation strategy with example. [CO1]

Section-C

3. Answer any one out of following questions. [1 x 10 = 10]
- a) Explain the various roles and responsibility of operations manager in service and manufacturing Industry. [CO1]
 - b) Define Method Study. Briefly explain the factor influence methods study along with merits and demerits of method study. [CO1]

All the Best



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

Semester : 2nd Sem. MBA
Batch : 2024-26
Subject : Business Research
Subject Code : MBQT1002

Date : 20.03.2025
Class Test : I
Duration : 1 Hr.
Full Marks : 30

Section- A

1. Answer any four out of following questions. [4 x 2 = 8]
- a) What is the primary purpose of business research? [CO1]
 - b) State two main types of data collection method in research with examples. [CO1]
 - c) What is the difference between a sample and a population in research? [CO1]
 - d) Differentiate between Type-I error and Type-II error with examples. [CO1]
 - e) Explain briefly null and alternate hypothesis with suitable examples. [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6 = 12]
- a) What do you mean by sampling? Write short notes on Stratified and cluster sampling. [CO2]
 - b) Explain different types of scale in research. [CO2]
 - c) A certain stimulus administered to each of 12 patients resulted in the following changes in blood pressure : 5, 2, 8, -1, 3, 0, -2, 1, 5, 0, 4, 6.
Can it be concluded that the stimulus will in general be accompanied by an increase in blood pressure? Test the hypothesis with 5% level of significance ($t_{tab} = 2.201$). [CO3]

Section-C

3. Answer any one out of following questions. [1 x 10 = 10]
- a. Define research? Explain different types of research with suitable examples. [CO2]
 - b. A trucking company wishes to test the average life of each of the four brands of tyres. The company uses all brands on randomly selected trucks. The records showing the lives (thousands of miles) of tyres are given as

Brand 1	Brand 2	Brand 3	Brand 4
20	19	21	15
23	15	19	17
18	17	20	16
17	20	17	18
	16	16	

Test the hypothesis with 5% level of significance that the average life for each brand of tyres is the same with tabulated value 5.56. [CO3]

All the Best