



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

Semester : 3rd Sem. MBA

Batch : 2024-26

Subject : Security Analysis & Portfolio Management

Subject Code : MBPC3005

Date : 16.09.2025

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 real and financial asset
 - b) Explain non – marketable securities [CO1]
 - c) In order to analyze risk–return profile of a 52 stock portfolio, how many estimates do you require under Markowitz model. [CO2]
 - d) Distinguish systematic and unsystematic risk? [CO1]

Section-B

2. Answer any two questions out of following [2 x 6= 12]
- a) Difference between investment and gambling. [CO1]
 - b) Describe the Sharpe single-index model. How do you interpret α and β parameters in the model? [CO2]
 - c) You have invested Rs. 75,000/- , 30% of which is invested in company– A, which has an expected rate of return of 15%, and 70% of which is invested in company- B, with an expected return of 12%. What is the return on your portfolio? What is the expected percentage rate of return?(CO2)

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a) What is efficient frontier? Explain the Markowitz model concept through a graphical presentation showing situations with risk-less lending and borrowing taking investment of a portion of wealth in risky asset. [CO2]
 - b) Consider a portfolio of four securities. All the securities have a beta of 0.5 and standard deviation of 25%. The portfolio distributes weight equally. If the standard deviation of the market of BSE index is 15 %. Calculate the total risk. [CO2]

All the Best



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

Semester : 3rd Sem. MBA

Batch : 2024-26

Subject : Derivatives and Risk Management

Subject Code : MBPC3006

Date : 16.09.2025

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 do you mean by Forward Contract? [CO1]
 - b) Explain Variation Margin in future contract. [CO2]
 - c) Write a short note on Cross Hedge. [CO2]
 - d) What is BASIS in Future Contract? [CO2]
 - e) What do you mean by SPREAD in future contract? [CO2]

Section-B

2. Answer any two questions out of following [2 x 6= 12]
- a) Explain the role of a Hedger in derivative market with their types of participation in derivative market. [CO2]
 - b) A Speculator predicts a price increase in the gold future market from current future price of Rs.5, 000 per 10 gram. The market lot is 100 grams. Speculator buys one lot of future gold. Assume that Margin is 10%. What amount of margin money is required to enter into the above contract? If the price of the Gold increased by 20%, what will be the profit to the speculator? [CO2]
 - c) Explain Cash and Carry arbitrage with example. [CO2]

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- a) Explain different types of Margin applicable to Future Trading for risk Management. [CO2]
 - b) A farmer expects to harvest 50,000 bushels of sorghum in 4 months. There is no active sorghum futures market. However, the farmer knows sorghum prices are influenced by the same factors that affect corn prices. Spot price of sorghum now Rs.5.80 per bushel. Corn future price of 04 months future is trading at Rs.4.50 per bushel having contract size / lot size of 5,000 bushels. Standard deviation of sorghum spot price changes is 0.04 and of corn future price is 0.05. Coefficient of correlation between sorghum spot price and corn future price is 0.75. How the farmer can optimally hedge his crops. [CO2]

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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Semester : 3rd Sem. MBA

Batch : 2024-26

Subject : Indian Financial System and Services

Subject Code : MBPC3007

Date : 15.09.2025

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 Indian Financial System. Why is it considered the backbone of the economy? [CO1]
 - b) Classify financial assets into marketable and non-marketable with one example each. [CO1]
 - c) Identify the regulatory authority that governs the securities market in India. Who regulates the insurance sector? [CO1]
 - d) Differentiate between scheduled and non-scheduled banks with one example of each. [CO1]
 - e) What do you mean by Insurance? [CO2]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Explain the characteristics of the Indian financial system with suitable examples. [CO1]
 - b) Justify the statement: "Regulatory bodies act as the backbone of the Indian financial market." Support with examples of RBI, SEBI, and IRDAI. [CO1]
 - c) Analyze the functions of banks in India, distinguishing between their primary and secondary functions. [CO1]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) Evaluate the reforms in the Indian financial system since independence. How have they strengthened financial inclusion and modernization? [CO1]
 - b) Discuss in detail the components of the Indian financial system (financial markets, institutions, instruments, services, and regulators). Illustrate with examples. [CO1]

All the Best



**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY
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**Semester : 3rd Sem. MBA
Batch : 2024-26
Subject : Project Appraisal and Financing
Subject Code : MBPC3008**

**Date : 17.09.2025
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 project? [CO1]
 - b) Why screening of idea is required? [CO1]
 - c) What is small scale project? [CO1]
 - d) Give two examples of International project? [CO1]
 - e) Write down the difference between normal project and crash project? [CO1]

Section-B

- 2. Answer any two questions out of following [2 x 6= 12]**
- a) Discuss various sources of identifying the ideas for a project. [CO1]
 - b) Briefly discuss about pre-feasibility study in project formulation. [CO1]
 - c) Discuss about Zero Based Project Formulation with a suitable example. [CO1]

Section-C

- 3. Answer any one out of following questions. [1 x 10= 10]**
- a) Explain characteristics of a project with example. [CO1]
 - b) What is DPR? Why DPR is important in project management, discuss with an example. [CO1]

All the Best