

Registration No.



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

Semester : 8th Sem. IMBA

Batch : 2022-27

Subject : Security Analysis & Portfolio Mgmt.

Subject Code : 16IMN801B

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 the term investment [CO1]
 - b) What are non-marketable securities? Give two examples [CO1]
 - c) Differentiate between investing in mutual fund and shares. [CO1]
 - d) Differentiate between real and financial asset. [CO1]
 - e) What is systematic risk ? Give examples [CO1]

Section-B

2. Answer any two questions out of following [2 x 6= 12]
- a. As a financial advisor how will describe life insurance to customers and what are the benefits of investing in Life Insurance ? [CO2]
 - b. Differentiate between Investment and gambling. [CO1]
 - c. You have invested Rs. 75,000/-, 25% of which is invested in company– A, which has an expected rate of return of 15%, and 75% 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 risk ? Discuss the elements of risk. How do you measure the risk in an investment [CO1]
 - b) Calculate the expected return and the standard deviation of returns for a stock having the following probability distribution of returns. [CO1]

Possible returns	Probability of occurrence
-15	0.05
-11	0.10
0	0.10
15	0.15
22	0.25
25	0.20
35	0.15



Semester : 8th Sem. IMBA
Batch : 2022-27
Subject : Financial Derivatives
Subject Code : 16IMN802B

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) What do you mean by Forward Contract? [CO1]
- b) What do you mean by 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 optimum hedge ratio and its implication. [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]

Semester : 8th Sem. IMBA

Batch : 2022-27

Subject : Advance Management Accounting

Subject Code : 16IMN803B

Date : 11.02.2026

Class Test : I

Duration : 1 Hr.

Full Marks : 30

Section- A

1. Answer any four out of following questions. [4 x 2 = 8]
- What is opportunity cost? Explain with examples. [CO1]
 - How do you classify overheads. [CO1]
 - In a printing press which method of costing is employed for ascertainment of cost? [CO2]
 - Some expenses not included in the cost sheet. [CO1]
 - Define cost centre, profit centre and investment centre. [CO1]

Section-B

2. Answer any two questions out of following. [2 x 6= 12]
- What do you mean by cost reduction and cost control with examples. [CO1]
 - What is service costing? Discuss its features and the organisations required to go for service costing. [CO2]
 - Prepare a statement of cost and profit for the year ending 31st March 2024, showing total and per unit cost and profit. [CO1]
Direct materials Rs 50,000; direct labour Rs 40,000; direct expenses Rs 10,000; works overheads 50% of wages; administration overheads 20% of works; selling & distribution overheads Rs 2.00 per unit; units produced and sold 2000 units and selling price per unit Rs 95.

Section-C

3. Answer any one out of following questions. [1 x 10= 10]
- What are the methods and techniques of costing? Explain their adaptability in different industries with examples. [CO1]
 - Calculate prime cost, factory cost, cost of production, cost of sales and profit from the following particulars: [CO1]

	Rs		Rs
direct materials	1,00,000	depreciation- factory plant	500
wages	30000	depreciation-office premises	1250
wages of foreman	2500	consumable stores	2500
electric power	500	managers salary	5000
factory lighting	1500	directors' fees	1250
office lighting	500	office stationery	500
storekeeper's wages	1000	telephone charges	125
oil and water	500	postage & telegrams	250
factory rent	5000	salesmen's salaries	1250
Office rent	2500	travelling expenses	500
repairs -factory	3500	advertising	1250
office repairs	500	warehouse charges	500
transfer to reserves	1000	sales	189500
discount on shares written off	500	carriage outward	375
dividend	2000	income tax	10000