Registration No.											

BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT STUDIES, BHUBANESWAR

MBA- WORKING PROFESSIONAL

Semester : 3rd Sem. MBA | **Date : 13.09.2026**
Batch : 2025-27 | **Class Test : I**
Subject : Security Analysis & Portfolio Mgmt. | **Duration : 1 Hr.**
Subject Code : MBPC3005 | **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) What does a beta value of 1.5 indicate ? [CO1]
d) In order to analyze risk-return profile of a 52 stock portfolio, how many estimates do you require under Markowitz model. [CO2]
e) 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 a and ß 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. 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 with the following characteristics [CO2]

Security	Weightage	α	β	Residual variance σ^2_{ei}
A	0.2	2.0	1.2	320
B	0.3	1.7	0.8	450
C	0.1	-0.8	1.6	270
D	0.4	1.2	1.3	180

Calculate the portfolio return and risk under the single index model, if the return from the market index is 16.4 %and standard deviation of the market is 14%.

All the Best

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MBA- WORKING PROFESSIONAL

Semester : 3rd Sem. MBA | **Date : 13.09.2026**
Batch : 2025-27 | **Class Test : I**
Subject : Derivatives and Risk Management | **Duration : 1 Hr.**
Subject Code : MBPC3006 | **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 additional Margin in future contract? [CO2]
c) Write a short note on Long Hedge. [CO2]
d) What is BASIS in Future Contract [CO2]
e) What are the uses of derivatives? [CO1]

Section-B

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

a) Explain the role of a Hedger in derivative market. Explain the concept of Short Hedge with and example. [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 15%. 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 the difference between Forward and Future Contract. [CO1]

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) SkyHigh Airlines expects to purchase 2 million gallons of jet fuel in three months. They are worried about rising fuel prices. There is no futures contract for jet fuel, but there is a highly liquid heating oil futures contract. Historical analysis shows that jet fuel and heating oil prices are correlated. Value of Spot Position: 2,000,000 gallons X current jet fuel price of \$2.50/gal = \$5,000,000. Futures Contract: NYMEX Heating Oil futures contract. Each contract is for 42,000 gallons. Current Futures Price (F) = \$2.40 per gallon. Standard deviation of jet fuel price changes (σ_S) = 0.035 (3.5%), Standard deviation of heating oil futures price changes (σ_F) = 0.040 (4.0%).
Correlation between the two (ρ) = 0.90. Task: Calculate the optimal number of heating oil futures contracts SkyHigh should buy to hedge. [CO2]

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MBA- WORKING PROFESSIONAL

Semester : 3rd Sem. MBA (W.P.) **Date : 13.09.2026**
Batch : 2025-27 **Class Test : I**
Subject : Indian Financial System and Services **Duration : 1 Hr.**
Subject Code : MBPC3007 **Full Marks : 30**

Section-A

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

a) Define a scheduled bank and cite one example. [CO1]

b) Differentiate between financial markets and financial institutions, giving one example of each. [CO1]

c) Compare commercial banks and cooperative banks on any two bases. [CO1]

d) What is a demand deposit? Illustrate with one example. [CO1]

e) State any two differences between the primary market and the secondary market. [CO1]

Section-B

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

a) Describe the key functions performed by the Indian Financial System. [CO1]

b) Examine the major components of the Indian Financial System, using suitable examples. [CO1]

c) Classify the major categories of banks operating in India and outline their respective roles. [CO1]

Section-C

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

a) Analyse the different deposit accounts and loan facilities offered by commercial banks. Support your answer with suitable examples. [CO1]

b) Evaluate the major reforms introduced in the Indian banking system and their contribution to the development of banking in India. [CO1]

All the Best

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BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT STUDIES, BHUBANESWAR

MBA- WORKING PROFESSIONAL

Semester : 3rd Sem. MBA (W.P.) **Date : 13.09.2026**
Batch : 2025-27 **Class Test : I**
Subject : Project Appraisal and Financing **Duration : 1 Hr.**
Subject Code : MBPC3008 **Full Marks : 30**

Section-A

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

a) Define project? [CO1]

b) b) Why screening of idea is required? [CO1]

c) Write down five attributes of a good project manager? [CO1]

d) Give two examples of International project? [CO1]

e) How the project cost will be determined? [CO2]

Section-B

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

a) Explain the steps followed in screening of project idea? [CO1]

b) Outline project management objectives with suitable example? [CO1]

c) Discuss various sources of identifying the ideas for a project. [CO1]

Section-C

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

a) b) What is DPR? Why DPR is important in project management, discuss with an example. [CO1]

b) Explain types of projects on the basis of need with suitable example. [CO1]

All the Best