

Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code	12313
---------------------	-------

MBA - DEGREE EXAMINATIONS, NOV / DEC 2023

Third Semester

**Master of Business Administration
20MBF304 - FINANCE ANALYTICS**

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|---|-------------------------------|
| 1. Describe Financial Analytics. | <i>2,K2,CO1</i> |
| 2. Highlight the role of digital dash boards. | <i>2,K1,CO1</i> |
| 3. What is CML? | <i>2,K1,CO2</i> |
| 4. How does an investor formulate the assets mix according to the given objectives? | <i>2,K1,CO2</i> |
| 5. Illustrate VaR. | <i>2,K2,CO3</i> |
| 6. Categorise beta. Is it better measure of risk than the standard deviation? | <i>2,K2,CO3</i> |
| 7. Give a brief on Monti-carlo simulation. | <i>2,K1,CO4</i> |
| 8. State credit risk. | <i>2,K2,CO4</i> |
| 9. Give examples of Interest rate and currency SWAP. | <i>2,K1,CO5</i> |
| 10. Differentiate Forward contract with Future contract. | <i>2,K2,CO5</i> |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) What is business Intelligence? Explain the evolution of Business Intelligence. *13,K2,CO1*
- OR**
- b) Discuss the objectives of MIS and also explain the role of MIS in emerging business scenario. *13,K2,CO1*
12. a) Explain the various distributional properties of returns. *13,K2,CO2*
- OR**
- b) What are the basic assumptions of CAPM? What are the advantages of adopting the CAPM model in portfolio management? *13,K2,CO2*
13. a) Describe the workings of GARCH model and also explain the uses of GARCH model. *13,K2,CO3*

OR

- b) Explain the various procedures of predicting bankruptcy from financial distress. Describe the suitable model for overcome the problem. *13,K2,CO3*

14. a) Explain the various structural models used for firm's value model. *13,K2,CO4*

OR

- b) Explain the concept and workings of Interest rate and currency rate SWAPs. *13,K2,CO4*

15. a) Options pricing is an important tool for hedging against risk. Explain the types of option pricing and its implications. *13,K2,CO5*

OR

- b) What are commonly used SWAPs? Are SWAPs assets or liability? - Justify your answer. *13,K2,CO5*

**PART - C (1 × 15 = 15 Marks)
(Compulsory)**

16. a) Mr.Santosh is constructing an optimum portfolio. The market return forecast says that it would be 15.5% for the next years with the market variance of 18%. The risk-free rate of return is 5%. The following securities are under review. Find out the optimum portfolio. *15,K3,CO2*

Stock	Mean Return	Beta	Unsystematic Risk
A	22	0.65	26
B	15	1.2	18
C	18	1.26	10
D	11	0.85	18
E	12	0.5	12
F	17	1.9	27