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Question Paper Code: CMB420

MBA IV Semester End Examinations (Regular) - April, 2019

Regulation: .–R16

# FINANCIAL MODELING

Time: 3 Hours (MBA) Max Marks: 70

**Answer ONE Question from each Unit**
**All Questions Carry Equal Marks**
**All parts of the question must be answered in one place only**

## UNIT – I

1. (a) Explain the steps that are followed in creating a model. [7M]
   (b) What is financial model? Explain any two types of financial model. [7M]
2. (a) Discuss steps involved in computing average of numbers from a data set given. [7M]
   (b) Explain advanced features of excel. If we want to add a data labels in chart, what is the procedure to be followed. [7M]

## UNIT – II

3. (a) Explain sensitivity analysis of goal seek in Excel. [7M]
   (b) Discuss the steps involved in creating two variable data sets for statistical distributions. [7M]
4. (a) Explain the formulate Syntax and its use "= NORMINV(RAND(), B2, C2)," a hypothetical syntax. [7M]
   (b) How excel supports the business analyst in developing models in finance using simulation. [7M]

## UNIT – III

5. (a) Define project appraisal. Explain the key steps in developing a financial statement model. [7M]
   (b) Explain the steps to prepare trail balance statement using excel for determining project viability. [7M]
6. (a) Assure that you have been given historical stock prices of one year. Explain steps involved in developing a model to simulate the expected return and volatility of the stock. [7M]
   (b) Write the formulae for Net Present Value (NPV) equation. Explain how do you substitute the values in excel. [7M]

## UNIT – IV

7. (a) Explain the steps involved in developing black and schools model to price options in excel. [7M]
   (b) Determine efficient portfolio and create various types of portfolios of fixed income portfolio management using excel. [7M]

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8. (a) Explain the steps involved in highlighting cells with a value of less than 20 from a given data set. [7M]
   (b) Explain the following financial functions: i)DISC ii) Duration iii) Net Present Value (NPV) [7M]

UNIT – V

9. (a) What is Macro's. Discuss how Macro's can be recorded and edited. [7M]
   (b) What is debugging? Explain few syntax errors and ways of debugging it/them. [7M]
10. (a) Briefly explain about designing advanced in financial models using visual basic application uses forms. [7M]
   (b) Explain advanced features of actual model building and decision rules of functions. [7M]

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