TM253478D

Reg. No : 31/10/25

Name : .....

MASTER'S DEGREE (C.S.S) EXAMINATION,OCTOBER 2025

2024 ADMISSIONS REGULAR

SEMESTER III - ELECTIVE COURSE

CM3E01TM - Financial Analytics (for Finance)

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight (8x1=8)

1. List the properties of a good estimator.
2. Mention the difference between ordinal scale and nominal scale.
3. Explain Homoscedasticity.
4. Define econometrics.
5. Explain Heteroscedasticity.
6. Explain Predictive Analytics.
7. Write about ARIMA in time series.
8. Describe AR model in time series.
9. Brief about volume of the Big data.
10. Explain Diagnostic Analytics.

Part B

II. Answer any Six questions. Each question carries 2 weight (6x2=12)

11. Explain the different types of financial data.
12. Briefly explain the limitations of Cobb Douglas Production Function.
13. Differentiate distributed lag model and autoregressive model.
14. State Homoscedasticity and explain how it is evaluated.
15. Explain the causes of Multicollinearity.
16. State the merits and demerits of Autoregressive Model.
17. Briefly explain the 4-V Model of big data definition.
18. Clarify the uses of Artificial Intelligence in business decision making.

Part C

III. Answer any Two questions. Each question carries 5 weight (2x5=10)

19. Assess the financial modeling skills.
20. Elaborate the concept Classical Linear Regression Model and its assumptions.
21. Define time series data analysis. Elucidate the utilities and benefits in business development.
22. Discuss the application of data Mining in today's competitive businesses.