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DEBB507

Reg. No. | | | | | | | | |

V Semester B.B.A. (General) Degree Examination, January/February - 2025

BUSINESS ADMINISTRATION

Financial Analytics

(Scheme : NEP)

Time : 2½ Hours **Maximum Marks : 60**

Instructions to Candidates : *Answer all the questions are in English only.*

SECTION - A

Answer any Five of the following questions. Each question carries Two marks.
(5×2=10)

1. a) Mention any two uses of financial analytics.

   b) Name two enterprise database domains.

   c) What is Non-stationary of the data.

   d) Write the full form of

      i) NumPy

      ii) TVM

   e) What is correlation?

   f) Write a Python command to calculate correlation between two lists [10,20,30] and [15,25,35].

   g) What is Exploratory Data Analysis.

SECTION - B

Answer any Four of the following questions. Each question carries Five marks.
(4×5=20)

2. Write a Python code to load a data set from "NSE-stock-data. CSV," Compute the descriptive statistics for the column "Close - Price" and plot Line graph.

3. What are the basic assumptions of regression analysis? Explain.

4. How is data prepared for building a predictive model? List out the steps.

5. Explain :

   a) Simple moving average

   b) Exponential moving average

6. Write and explain the steps in inserting scatter plot in excel.

SECTION - C

Answer any Two of the following questions. Each question carries Twelve marks.

(2×12=24)

7. Explain the Python codes for cleaning the data, handling missing values and executing graphs.

8. Elaborate the steps in making a data stationary including concepts like lagging of the data and log of the data in excel.

9. Discuss the role of public domain databases in financial analytics.

SECTION - D

Answer any One of the following questions. Each question carries Six marks.

(1×6=6)

10. Explain the different types of trends in time series data.

11. List out recent Fintech companies.