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**V Semester B.B.A. (Regular) Degree Examination,
December/January - 2025/26
BUSINESS ADMINISTRATION
Financial Analytics
(NEP Scheme)
Paper : 5.4-BD1**

Time : 2½ Hours

Maximum Marks :60

Instructions to Candidates:

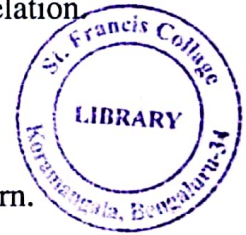
Answers Should be written in English.

SECTION - A

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

(5×2=10)

1. a) Write the meaning of descriptive statistics.
- b) What is meant by Non stationary data?
- c) Write any three differences between Positive and Negative correlation.
- d) What is the use of Plt.Show () function in Python.
- e) How do you execute list and tuple in Python?
- f) Mention any two financial variable that follows time series pattern.
- g) What does IMF stand for?

**SECTION - B**

Answer any Four of the following questions. Each question carries Five marks.

(4×5=20)

2. Explain the meaning and Importance of Financial analytics in modern business.
3. Explain how simple returns are computed using Excel.
4. Explain the steps in loading excel file into Python Pandas environment
5. Explain different types of graphs in Python explain each graph with relevant codes.
6. Discuss the role of Independent and dependent variables in regression models.

[P.T.O.]

**SECTION - C**

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

(2×12=24)

7. Explain in detail the concept of Logistic Regression. Explain the steps of data preparation, model fitting and interpretation.
8. Describe in detail the data types and data structures in Python with suitable examples
9. Explain the process of data differencing, lagging and lag differencing to achieve stationarity in Excel.

SECTION - D

Answer any One of the following question. Which carries 6 marks.

(1×6=6)

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