# 21BBA5E1DA1

## B.B.A. V Semester Degree Examination, April/May - 2024

## MANAGEMENT

### DSE : Financial Analytics (Elective)
### (NEP)

Time : 2 Hours                                                                 Maximum Marks : 60

***Note :*** *Answer to **all** sections.*

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### SECTION - A

**I.** Answer for **all** the questions.                                        **1x10=10**

**1.** (a) What is Financial Analytics ?
  (b) What is Time Value of Money ?
  (c) Mention any two public domain database.
  (d) What is Algo trading ?
  (e) What is Lagging data ?
  (f) What is Time Series data ?
  (g) Expand NUMPY and PANDAS.
  (h) What is Python ?
  (i) Define logistic Regression.
  (j) What is Stationary data ?

### SECTION - B

**II.** Answer **any four** of the following questions. Each question carries **five** marks.
**4x5=20**

**2.** Explain importance of financial Analytics.

**3.** Write a short note on downloading data from Kaggle.

**4.** From the following information prepare $1^{st}$ order differencing method.

| Months | Sales |
|--------|-------|
| Jan | 100 |
| Feb | 110 |
| March | 120 |
| April | 130 |
| May | 140 |

**5.** Explain types of Errors in Python.

**6.** Explain types of Regression and its Assumption.

**7.** Explain Basics of Time Series using Python.

## SECTION - C

**III.** Answer **any three** of the following questions. Each question carries **ten** marks.

**3x10=30**

**8.** Write a short note on discounted and non-discounted finance calculations.

**9.** Explain data access methods for various sources.

**10.** Explain components of time series.

**11.** Explain process of Installing Python.

**12.** Explain Descriptive Statistics in Python.

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