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DEBB507

Reg. No.

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

MANAGEMENT

Financial Analytics

(NEP Scheme)

Paper : 5.5

Time : 2½ Hours

Maximum Marks :60

Instructions to Candidates:

Answer Should be written in English only.

SECTION - A.

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

(5×2=10)

1. a) Expand NSE and BSE.
- b) What is panel data?
- c) Write the formula for future value?
- d) Mention Any two open source software used for financial Analytics.
- e) What are two types of Returns used in calculating Time series data?
- f) Write the formula for correlation
- g) Explain Non-Stationary Data.



SECTION - B

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

(4×5=20)

2. Write the steps in computing simple and logarithm returns in excel.
3. Explain the different types of time series graph with diagram.
4. Explain the discounted and non-discounted cash flow.
5. List down the five sources for downloading historical financial data.
6. Write the difference Between correlation and covariance.

(1)

[P.T.O.]



SECTION - C

Answer any Two of the following questions, Each question carries twelve marks.
(2×12=24)

- 7. Explain the Need of financial Analytics.
- 8. From the below data set explain in detail the steps involved in performing linear Regression Analysis using pandas in python. write the codes for each step for calculation.

Day	Stock Return (%)	Market Return (%)
1	0.2	0.5
2	-0.5	-0.1
3	1.0	0.8
4	0.8	0.2
5	-0.3	-0.5
6	0.6	0.3
7	-0.7	-0.9
8	0.4	0.7
9	0.1	0.2
10	-0.2	-0.3

- 9. Calculate 5th Day to 10th Day Sales using 4 days moving Average model and also compute the MAD, MSE, MAPE.

Days	Sales
1	100
2	120
3	130
4	115
5	112
6	100
7	130
8	140
9	150
10	147



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SECTION-D

Answer any One of the following questions. Each carries Six marks. (1×6=6)

- 10.** List out recent fintech companies.
 - 11.** Explain the Assumptions of Regression.
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