SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
M.Sc. - END SEMESTER EXAMINATIONS APRIL - 2022
SEMESTER - IV
20PBSET4004 - Forecasting and Decision Making Techniques

Total Duration : 3 Hrs.   **Total Marks : 60**

Section A

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. Explain the role of forecasting in business.

2. What are the steps involved in double moving averages method?

3. What are the components of Time series?

4. Give the steps involved in Box-Jenkins methodology.

5. Give examples of decision under uncertainty scenario.

6. Explain forecasting based on smoothing.

7. What are Stationary process?

8. Explain Decision tree analysis.

Section B

Part A

Answer any **TWO** questions $(2 \times 10 = 20$ Marks$)$

9. What are the various methods of forecasting?

10. Explain Exponential Smoothing.

11. Describe Explanatory Time Series analysis in detail.

12. Explain about ARIMA model in detail.

Part B

Compulsory question $(1 \times 10 = 10$ Marks$)$

13. What are the various methods for decision under risk? Explain in detail.

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