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FIFTH SEMESTER (CUFYUGP) DEGREE EXAMINATION, NOVEMBER 2026

Economics/Development Economics/Econometrics and Data Management/ Economics with Foreign Trade/Economics with Islamic Finance

ECO5FS112 - Big Data Analysis in Economics

2024 Admission onwards

Maximum Time :1.5 Hours | **Maximum Marks: 50**

Section A

All Questions can be answered. Each Question carries 2 marks (Ceiling: 16 Marks)

1	Define Big Data.
2	What is meant by Analytics?
3	Mention any two advantages of Big Data in economic research.
4	State any two challenges associated with Big Data.
5	What are the major national and international sources of Big Data?
6	What is Web Scraping? Mention one economic application.
7	Define Time Series Forecasting.
8	What is a Linear Regression Model?
9	Define Neural Networks.
10	What is Sentiment Analysis?

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling: 24 Marks)

11	Discuss the importance of Analytics in modern business decision-making.
12	Explain the advantages and challenges of using Big Data in economic research and policymaking.
13	Explain the applications of web scraping, social media and Google data in economics.
14	Explain the architecture of Big Data collection, analysis and storage. Discuss its importance in data-driven decision making.
15	Explain Linear Regression Models and Logistic Regression Models. Discuss their applications in economic analysis.

Section C

Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)

16	Discuss the importance of using micro data to answer macroeconomic questions.
17	Explain the concepts of Neural Networks and Deep Learning.