

QP CODE: D4BEC2402	(Pages: 2)	Reg. No :
		Name :

Fourth Semester B.Sc (FYUGP) Degree Examinations April 2026

Skill Enhancement Courses (SEC)

ECO4FS112 : Big Data Analysis in Economics

(Credits: 3)

Time: 1.5 Hours

Maximum Marks: 50

Section A

Answer the following questions. Each carries 2 marks (Ceiling: 16 marks)

1.	Define Analytics Methodology.	BL1	CO1, CO5, CO6
2.	What are the main characteristics of Big Data.	BL1	CO1
3.	Comment on labour market analytics.	BL1	CO1, CO2, CO3, CO4, CO5, CO6
4.	Define big data architecture.	BL1	CO1, CO3, CO5, CO6
5.	What does ACID stand for in RDBMS?	BL1	CO1, CO5, CO6
6.	Big data has enabled anomaly detection. Do you agree?	BL4	CO1, CO4, CO5, CO6
7.	What is time series forecasting?	BL1	CO5, CO6
8.	Why are neural networks called “black box” models?	BL4	CO5, CO6
9.	What is meant by fine grained sentiment analysis?	BL2	CO5, CO6
10.	Identify a real-life economic variable suitable for linear regression.	BL3	CO5, CO6

Section B

Answer the following questions. Each carries 6 marks (Ceiling: 24 Marks)

11.	How does the scalability becomes a challenge in Big Data?	BL2	CO1, CO4, CO5, CO6
12.	Explain the role of international Big Data sources in economic research.	BL1	CO1, CO2, CO3, CO4, CO5, CO6
13.	Evaluate the role of algorithmic trading in Indian stock markets.	BL5	CO1, CO3, CO5, CO6
14.	Analyze steps in Big Data Analytics using R.	BL4	CO5, CO6
15.	Evaluate the practical application of logistic regression.	BL5	CO5, CO6

(PTO)

Section C

Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)

16.	Discuss the application of Big Data in economic research and policy formulation.	BL4	CO3, CO4, CO5, CO6
17.	"Big data applications motivate the use of advanced analytics in economics". Evaluate.	BL5	CO1, CO2, CO3, CO5, CO6

CO : Course Outcome

BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)