

Seat No. **MAR_APR 2025 SUMMER EXAMINATION****11731 Bachelor of Technology (NEP-2.0)****Sub. Name: Predictive Analytics****Sub. Code: 56532/109801****Day and Date: MAY ,21-05-2025****Total Marks: 70****Time: 10:30 AM To 01:00 PM**

- Instructions:**
1. Assume suitable data wherever necessary and mention it boldly
 2. Draw neat labelled diagrams wherever necessary
 3. Figures to the right indicate full marks
 4. Use Sketches/Diagrams wherever necessary
 5. Use of Scientific calculator is allowed

- Special Inst.:**
- + Solve any 4 Questions from Q1 to Q5.
 - + Question No. 6 is compulsory.

- Q1)** Solve all questions. [15]
- a. Explain Steps Involved on Predictive Analysis process with example ? [8]
 - b. What is EDA? Explain the role of EDA in Predictive Analysis ? [7]
- Q2)** Solve all Questions [15]
- a. Explain variables in dataset and their types ? [8]
 - b. Explain Univariate Predictive analysis in detail ? [7]
- Q3)** Solve all questions [15]
- a. What is ML? Describe the term Lasso Regression ? [8]
 - b. Distinguish Between Linear Regression and Logistic Regression ? [7]
- Q4)** Solve anll questions [15]
- a. Explain Time Series Analysis and its Applications in Detail ? [8]
 - b. Explain the terms Regression model and Classification model? [7]
- Q5)** Solve All Questions [15]
- a. Explain in brief K- Fold cross validation? [8]

b. Explain the applications of dash to implement a predictive model?

[7]

Q6) Write a short note on (any two)

[10]

a. Machin Learning Regression.

[5]

b. Forecasting Accuracy.

[5]

c. Hyper parameter Tuning

[5]

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (1154) B.Tech. CBCS (56532) Predictive Analytics Part 4 SEM 8