



B.Tech VIII Semester Regular/Supplementary Examinations, April 2023

Predictive Analytics
(Computer Science and Engineering)

Maximum Marks: 70

Date:03.05.2023 Duration: 3 hours

- Note: 1.This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Write about Blue Property?
- 2 Why Data Analytics is required?
- 3 Define unsupervised Learning
- 4 Write the Regression in detail.
- 5 What is meant by Tree Building?
- 6 Define Overfitting.
- 7 Give the Measures of Forecast Accuracy.
- 8 What is meant by Prediction?
- 9 Define purpose of documents.
- 10 Write scope of documents.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain in detail about types of Data and Variables and various Data Modeling Techniques. [10]
OR
- 12 Describe in detail Variable Rationalization, and Model Building. [10]
- 13 a) Write in detail about Pruning and complexity. [5]
b) Discuss about Multiple Decision Trees in detail. [5]
OR
- 14 a) Explain Regression Vs Segmentation with an example. [5]
b) Discuss about Model theory and fit statistics. [5]
- 15 a) Differentiate between supervised and unsupervised learning. [5]
b) Write about Learning & Development in detail. [5]
OR
- 16 a) Discuss in detail with suitable examples about Knowledge Skills and competences. [5]
b) Explain about Policies and Record keeping. [5]
- 17 a) Write various Time Series Methods with examples. [5]
b) Discuss STL Approach with an example. [5]
OR

- 18 a) Discuss about various Measures of Forecast Accuracies. [5]
b) Describe about ARIMA. [5]
- 19 a) Explain Document preparation tools — Visio, PowerPoint, and Word. [5]
b) Discuss briefly any one Case Study related to Understanding structure of Documents. [5]
- OR
- 20 Describe in detail about Intellectual Property and Copy Rights with suitable example. [10]