



R18 Regulation

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Autonomous, Accredited by NAAC with 'A' Grade)

**B.Tech VIII Semester Regular Examinations, June 2022**

Subject code: 2E8EA

**PREDICTIVE ANALYTICS  
(COMPUTER SCIENCE AND ENGINEERING)**

**Maximum Marks: 70**

Date: 17.06.2022 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 Define Predictive analytics.
- 3 Define Logistic Regression.
- 4 Compare and contrast supervised learning and unsupervised learning.
- 5 What is meant by over fitting?
- 6 Write the advantages of Decision trees?
- 7 Define Arima Model.
- 8 What is forecast error?
- 9 Define Technical report.
- 10 Define Peer review.

**Part-B**

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain in detail about different Regression Concepts and Least Square Estimation method. [10]

OR

- 12 A. Explain in detail about types of Data and Variables and various Data Modelling Techniques  
B. Write about Missing imputations [6+4]

- 13 A. Explain about Multiple Decision trees  
B. Write about Model Theory and Model fit Statistics [5+5]

OR

- 14 A. Explain about Classification and Pruning with examples.  
B. Explain in detail about Logistic Regression. [5+5]

- 15 Explain in detail about Objective Segmentation [10]

OR

- 16 A. Discuss in detail with suitable examples about Knowledge Skills and competences  
B. Write a short note on Training and Development? [5+5]

- 17 A. Explain various Time Series Methods with examples.  
B. Explain about Feature Engineering Techniques. [5+5]  
OR
- 18 A. Discuss about various Measures of Forecast Accuracies  
B. Describe STL Approach [5+5]
- 19 A. Explain Understanding structure of Documents with an example.  
B. Write about purpose and scope of documents. [6+4]  
OR
- 20 A. Explain in detail about Intellectual Property and Copy Rights with suitable example.  
B. Briefly explain about technical report and minutes of meeting. [6+4]