



R20Regulation

Subject code:3E7EG

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VII Semester Supplementary Examinations, April 2024

Predictive Analytics
(Computer Science and Engineering)

Maximum Marks: 70

Date: 23.04.2024 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.
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 the importance of predictive analytics?
- 2 Define the Blue Property.
- 3 Define supervised learning.
- 4 Why do we use data visualization?
- 5 What is meant by over fitting
- 6 Write about training and development.
- 7 Define time series.
- 8 What is meant by prediction
- 9 Define the Technical Report.
- 10 What are the components of time series?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Describe various data modeling techniques with examples. [10]
OR
- 12 Explain in detail about different regression concepts and least square estimation method. [10]
- 13 Elaborately discuss regression, classification and decision trees. [10]
OR
- 14 a) Explain classification and give suitable example. [5]
b) Write about multiple decision trees. [5]
- 15 What do you mean by objective segmentation? Explain. [10]
OR
- 16 Briefly explain the training and development of knowledge, skills and competence. [10]

17 Write a short note on time series and STL approach. [10]

OR

18 a) Discuss various measures of forecast accuracies. [5]

b) Explain feature extraction. [5]

19 a) Define purpose and scope of documents. [5]

b) Discuss briefly about any one case study related to understanding structure of documents. [5]

OR

20 Explain various Tools for preparing Document. [10]