



R20 Regulation

Subject code: 3E6EG

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, February 2024

INTRODUCTION TO ANALYTICS

(CSE)

Maximum Marks: 70

Date: 24.02.2024

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 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)	CO	Bloom Tx
1	What is Data Science?		CO1	L1
2	Explain The KDD Process.		CO1	L1
3	Write a short note on Infographics and Word Clouds.		CO2	L2
4	What is Noisy Data?		CO2	L1
5	Define Ridge Regression.		CO3	L2
6	What is Empirical Error?		CO3	L1
7	Define Classification and its types.		CO4	L2
8	Write about Artificial Neural Network.		CO4	L1
9	What is Data Acquisition?		CO5	L1
10	Write about Sentiment Analysis.		CO5	L2

Part-B

Answer All the following questions.		(5X10M=50Marks)		
11	Explain in brief about Big Data Architectures. (10M)		CO1	L5
OR				
12	Explain The CRISP-DM Methodology. (10M)		CO1	L5
13	Discuss in detail A. Data Quality (3M) B. Missing Values (3M) C. Redundant Data (3M) D. Inconsistent Data (1M)		CO2	L5
OR				
14	Discuss in brief Dimensionality Reduction. (10M)		CO2	L5
15	A. Write about Predictive Performance and Measures for Regression. (5M) B. Explain Linear Regression. (5M)		CO3	L5
OR				
16	Explain Partial Least Squares Regression. (10M)		CO3	L5

17	Distinguish between One-class Classification, Multi-class Classification. (10M)	CO4	L4
	OR		
18	Explain any one of Search-based Algorithms in detail. (10M)	CO4	L5
19	Discuss in detail A. Cliques (5M) B. Clustering Coefficient (5M)	CO5	L5
	OR		
20	a) Discuss Basic Properties of Nodes. (5M) b) Write short notes on structural properties of network. (5M)	CO5	L5 L2