



R20 Regulation

Subject code: 3E6HA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, November 2025

ADVANCED DATABASES

(CSE(DS))

Maximum Marks: 70

Date: 11.11.2025

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)		Marks	CO	BTL
1	List different types of Skew.	2M	1	L1
2	What is role of Check Point Process?	2M	1	L1
3	Define Flat File.	2M	2	L1
4	What is Publishing and Shredding?	2M	2	L1
5	Define Precision and Recall measuring terms.	2M	3	L1
6	What is Relevance?	2M	3	L1
7	Define Performance Tuning in Advance Application Development.	2M	4	L1
8	List issues in Application Development?	2M	4	L1
9	What is database security?	2M	5	L1
10	Define public Key Infrastructure.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Evaluate the role and functionality of data servers within Server System Architecture.	10M	1	L2
OR				
12	Explain the following? a) Partitioned and Parallel Hash Join b) Parallel Nested Loop Join	5M 5M	1	L2
13	Analyze the Structure of XML Data with example.	10M	2	L2
OR				
14	Analyze the concepts of inheritance and table inheritance within Object-Based Databases.	10M	2	L2
15	Analyze the process of indexing documents in information retrieval systems.	10M	3	L2
OR				
16	Explain the concepts of directories and categories.	10M	3	L2

17	a) Explain the TP-Monitor architecture, its components and interactions through a diagram. b) Analyze the concept of E-Commerce?	5M 5M	4	L2
	OR			
18	Write the concepts of spatial and temporal data, along with mobility time in databases?	10M	4	L2
19	Explain the Database Security Issues.	10M	5	L2
	OR			
20	Explain the challenges associated with maintaining database security.	10M	5	L2