



R20 Regulation

Subject code: 3E6EA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, November 2025

ADVANCED DATABASES

(CSE)

Maximum Marks: 70

Date: 13.11.2025

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	What are the classifications of the skew.	2M	1	L1
2	What is interoperation parallelism.	2M	1	L1
3	What is structured type.	2M	2	L1
4	How is object database differentiated from relational database.	2M	2	L1
5	What is information retrieval.	2M	3	L1
6	Define TF-IDF.	2M	3	L1
7	What is performance Tuning.	2M	4	L1
8	Write about mobility.	2M	4	L1
9	Define SQL Injection.	2M	5	L1
10	What is Public Key Infrastructure?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Compare the Round-robin and Range partitioning Techniques.	10M	1	L2
OR				
12	What is the difference between interquery and intraquery parallelism?	10M	1	L2
13	Explain in detail XML schema.	10M	2	L2
OR				
14	Explain about structured types in object-based databases.	10M	2	L2
15	a) How to measure retrieval effectiveness? b) Define Information retrieval System. How it is different from Database system?	5M 5M	3	L2
OR				
16	What is structured type? Explain about inheritance in Structural query language.	10M	3	L2
17	Discuss about other issues in application development.	10M	4	L2
OR				
18	Explain about indexing and spatial data.	10M	4	L2
19	Write short notes on: a. Symmetric key encryption. b. Public key encryption.	5M 5M	5	L2
OR				
20	Differentiate Mandatory access control and role based access control for multilevel security.	10M	5	L2

