



R20 Regulation

Subject code: 3E6HA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Regular/Supplementary Examinations, July 2024

ADVANCED DATABASES

(Professional Elective)

(CSE (DS))

Maximum Marks: 70

Date: 24.07.2024 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	Write how many types of networks?	CO1	BL 1
2	Define the Intra Operation parallelism.	CO1	BL 1
3	Difference between Object – oriented data base system and Object relational mapping.	CO2	BL_4
4	Label the XML and HTML.	CO2	BL 1
5	Make use of the Synonyms.	CO3	BL 3
6	Explain Directories and categories.	CO3	BL 2
7	Define Tuning of Hardware.	CO4	BL 1
8	Determine the Multimedia Databases.	CO4	BL 5
9	Write database Security issues?	CO5	BL 1
10	What is Encryption?	CO5	BL 1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11(A)	Explain the Centralized and Client-Server Architectures. [5]	CO1	BL 2
11(B)	Write about the I/O Parallelism. [5]	CO1	BL 1
OR			
12(A)	Inspect clearly about Parallel Systems. [5]	CO1	BL_4
12(B)	Distinguish between Intra and Inter operation Parallelism. [5]	CO1	BL_4
13(A)	Spell about the Complex data types. [5]	CO2	BL 1
13(B)	Organize the Structure of XML Data. [5]	CO2	BL 3
OR			
14(A)	Rephrase the Table Inheritance. [5]	CO2	BL 2
14(B)	Examine the terms Querying and Transformation. [5]	CO2	BL_4
15(A)	Explain about Relevance Ranking using Terms. [5]	CO3	BL 2
15(B)	Recall the Indexing of Documents. [5]	CO3	BL 1

	OR		
16(A)	Model the Synonyms, Homonyms and Ontologies. [5]	CO3	BL_3
16(B)	Outline the Information Retrieval Beyond Ranking of Pages. [5]	CO3	BL_2
17	List out the Spatial and Geographic data. [10]	CO4	BL_4
	OR		
18(A)	Explain the Performance Bench marks. [5]	CO4	BL_5
18(B)	Build the neat diagram Transaction – Processing Monitors Architecture with example. [5]	CO4	BL_3
19	Analyze SQL injection types and its methods in database security. [10]	CO5	BL_4
	OR		
20(A)	Discover the Statistical Database Security. [5]	CO5	BL_4
20(B)	What are the challenges to maintaining database security? [5]	CO5	BL_1