



Reg. No.:

Name:

W6787

University of Kerala

Third Semester FYUGP Degree Examination, November 2025

Discipline Specific Core Course

COMPUTER APPLICATION

UK3DSCCAP201 - DataBase Management

Academic Level: 200-299

2024 Admission

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark Each.Answer all questions

Qn No.	Question	CL	CO
1	List the four main classifications of SQL commands	RE	2
2	Define strong entity	RE	4
3	Explain mapping cardinalities in an ER model	UN	3
4	Identify the Purpose of database systems.	UN	1
5	Illustrate the purpose of normalization in database design?	UN	4
6	Explain DML.	UN	2

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Define primary key with suitable example.	UN	3
8	Explain the UNION operator with an example?	UN	2
9	Explain Database design process	AP	4
10	Explain the different data models in DBMS	AP	1

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A)	AP	2, 1

Qn No.	Question	CL	CO
	<p>Explain Set operations with example.</p> <p>OR</p> <p>B)</p> <p>Explain the different database architectures?</p>		
12	<p>A)</p> <p>Analyze DBMS and its advantages.</p> <p>OR</p> <p>B)</p> <p>Analyze the concept of Mapping cardinality with suitable examples.</p>	AN	1, 3
13	<p>A)</p> <p>Describe ER model with example?</p> <p>OR</p> <p>B)</p> <p>Evaluate the advantages and limitations of the three-tier database architecture compared to the two-tier model in terms of scalability, performance, and security.</p>	EV	3, 1
14	<p>A)</p> <p>Explain normalization with appropriate examples.</p> <p>OR</p> <p>B)</p> <p>Design a table and devise Armstrong's axioms for the table.</p>	CR	4, 4