DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PUDCUHERRY TECHNOLOGICAL UNIVERSITY

Continuous Internal Assessment Test 1 Question paper

Bachelor of Technology(Computer Science and Engineering) CS210 DATABASE MANAGEMENT SYSTEMS held on 04.03.2025

II Year IV Semester

Answer ALL Questions

Maximum: 25 Marks

Time: 1 Hour 40 mts

ED ANY SOLIESTIONS

	PART - A (2x5=10 marks) ANSW	Marks	Course Outcomes (C01/C02/C03/C04/C05/ Combinations)	Blooms Taxonmy levels
Sl.no.	Question Distinguish between total participation with an	2	COI	L1,L2
01	and partial participation with an example.	2	COI	L2
92	Illustrate atomicity anamoly and concurrency control anamoly with an example.			L2
03	How is a multivalued attribute	2	COI	
,04	State the significance of three levels of abastraction	2	COI	LI
05	How is a transaction different from applications	2	COI	1.2
06	Differentiate recursive relationship and identifying relationship. Give examples	2	COI	LI
97	State true or false For one logical schema there is only one physical schema.(True/False)	2	COI	1.2
	The database operations could be carried out without having a file system and operating system(True/False)			

Total marks for co1 - 10

PART - B (3x5=15 marks) question 2 is compulsory

Sl.no.	Question	Marks	Course Outcomes (C01/C02/C03/C04/C05/ Combinations)	Blooms Taxonmy levels
91	You are asked to design a database system for election information system. The system should maintain details of the voters, constituency, wards. write down the requirements of the system and mention any assumptions if any. Identify entities, entity types, attributes attribute types, cardinality ratio, relationships among entities. Draw the ER diagram List for what queries your information system would give	5	COI	1.6

T	answers			L3.14
	Consider the schema which strores patient details, doctor details , ward admission details Patient-details = {patient id, patient name, address, disease, doctor-id, discharge	5	CO2	1.3,14
03	With a neat diagram explain the database architecture elaborating on each component	5	COI	LI
04	State the syntax and purpose of the following sql commands 1. Join command 2. Alter table command 3. In operator 4. Primary and foreign key constraints 5. Ltrim,char-length,concat		CO2	L2
05	Outline the design constraints to be considered while designing a database system with generalization/specialization hierarchy	5	COI	LI