Yumet

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School of Engineering

First Sessional Examination, Even Semester (AS: 2023-24) Semester: IV

B. Tech: CSF CCMI/IOTBC Year: II

Course Title: DATABASE MANAGEMENT Max Maylens

SISTIMS

Course Code: BC83401

311

Time: 1 hr

	SECTION'A'	Course	Aturba
Q.N.1. Attempt all parts of the following:		Objective	
3)	Explain Union Compatibility.	CO1	1
b)	What is Identifying relationship?	COI	1
c)	What do you mean by an instance?	COI	1
d)	Explain the term Partial discriminator.	CO1	1
-	Mention roles of DBA.	CO1	1
	SECTION'B'	Course	Mark
Q.1	N.2. Attempt any two parts of the following:	Objective	
a)	What do you mean by referential integrity constraints? Can a foreign key reference a non-primary key? Give an example to support the answer.	CO2	7.5
b)	What is Data Abstraction in DBMS and what are its three levels?	COI	7.5
c)	Discuss the architecture of Database Management System. Explain different types of	COI	
-	architecture.		7.5
1)	Reduce the ER Diagram into Relational Tables:	CO2	7.5

	SECTION 'C'	Course Objective	Marks		
(1)	N.3. Attempt any one part of the following: Explain all the Extended features of Entity- Relationship Model along with proper diagram and example.	(0)	10		
	Consider the following relational database schema consisting of the four relation schemas:				
	passenger (pid. pname, pgender, pcity)				
	agency (aid, aname, acity)				
	flight (fid, fdate, time, src, destination)				
	booking (pid, aid, fid, fdate)				
10)	 i. Get the complete details of all flights to New Delhi. ii. Get the details about all flights from Chennai to New Delhi. iii. Get the details of flights that are scheduled on either of the dates 01/12/2020 or 02/12/2020 or both at 16:00 hours. 	CO2	10		
()	Create a table called employee with attributes Empid, names, DOB, address. i) Insert Minimum 5 records. ii) Also sort the table according Empid. iii) Describe the schema of above table.	CO2	10		

Table 1: Mapping between COs and questions
(Number of COs may vary from course to course)

COs	Questions Numbers	Total Marks
COI	Q1 a. b. c, d, e Q2 b, c, Q3 a	30
CO2	Q2a, dQ3b, c	35