

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

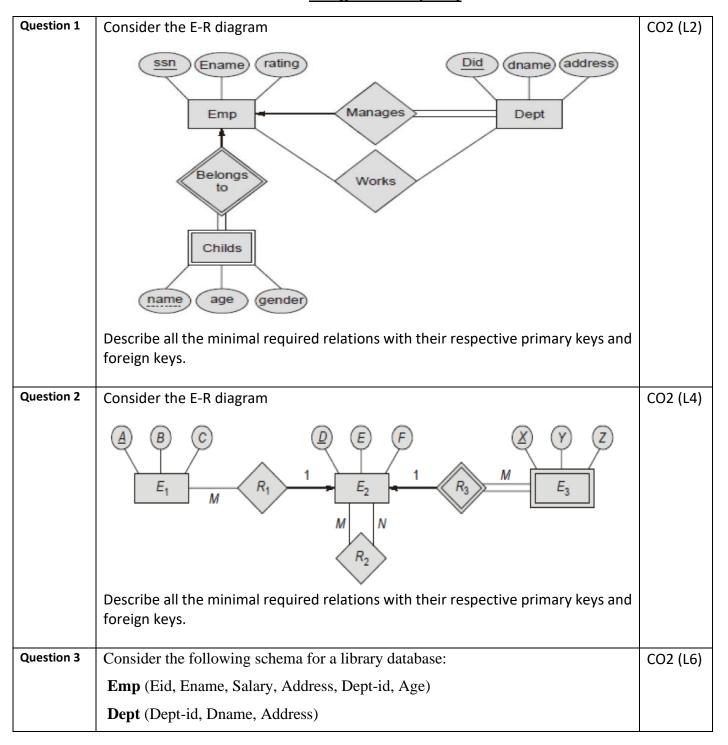
MITS Q

Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

Department of Computer Science and Design

Subject: DBMS Code: 3290304

Assignment 2 (CO2)





माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA Deemed University (Declared under Distinct Category by Ministry of Education, Government of India) NAAC ACCREDITED WITH A++ GRADE



	Write relational algebra expressions for the following queries:	
	(a) Find name of employee whose address is 'BHOPAL'.	
	(b) Find all employee working for 'CSE' department.	
	(c) Find the Employee id of all the employees whose age is greater than 30.	
	(d) Find Names of all the employees whose address is same as the	
	department address.	
Question 4	Specify the following queries in relational algebra:	CO2 (L6)
	branch (branch-name, branch-city, assets)	
	customer (customer-name, customer-street, customer-only)	
	account (account-number, branch-name, balance)	
	loan (loan-number, branch-name, amount)	
	depositor (customer-name, account-number)	
	borrower (customer-name, loan-number)	
	Write relational algebra expressions for the following queries:	
	(a) Find all loans of over 1200	
	(b) Find the loan number for each loan of an amount greater than 1200	
	(c) Find the names of all customers who have a loan, an account, or both,	
	from the bank	
	(d) Find the names of all customers who have a loan and an account at bank.	
	(e) Find the names of all customers who have a loan at the "Perryridge"	
	branch	
	(f) Find the names of all customers who have a loan at the "Perryridge"	
	branch but do not have an account at any branch of the bank.	