

Sardar Patel Institute of Technology Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India

(Autonomous College Affiliated to University of Mumbai)

Mid Semester Examination

Max. Marks: 20

Class:S.E.

Branch:Information Technology,Computer

Duration: 1Hrs

Semester:IV

Course Code:IT 43,CE42 Name of the Course: Database Management Systems

Instruction:

(1) All questions are compulsary

(2) Draw neat diagrams

(3) Assume suitable data if necessary

SYNOPTIC

QNO	Answer	Marks	CO
1	Correct query with proper notation carries 2 marks each. 1. Find the empname, deptname, deptHead from the given schema.	4	2
	TTemprame, B. DeptName, B. DeptHeed (cont. (Employee a XI empdet B)	1	
	2. Select all employees Id, and Project Ids with start year is 2015.		
	TempId, ProjectID (6 startyear = 2015 (6)	н	
	(Empfroject)		
Q2) 1.	Correct query carries 2 marks each. select * from employee where emaildid like "%gmail%"	6	2
2.	select count(empid) as TotalEmployee, projectid from empproject group by projectid		P.

3.	select empid, empname from employee where empheadid = (select empid from employee where empname = "Abhishek")		
Q3)	Functions of DBA (Any two- correct answer carries 2 marks) 1) Schema definition 2) Storage structures and access method 3) Schema and physical organization modification. 4) Granting of authorization for data access. 5) Integrity constraint specification. OR Purpose of any two data Independence in DBMS. 1) Logical data Independence —To alter the logical structure of the database. 2) Physical data Independence — To improve	2	1
04)	performance of the system. End User	4	1
Q4)	1) Naive Users (tellers, agents, web users)	7	1
	2) Application Programmers3) Sophisticated Users (Analysts)4) Database Administrators	No.	120
Q5)	Draw using proper ER notations - following concepts are drawn correctly by taking relevant example, correct relationship, attributes, cardinality - all notations: ONLY then 4 marks (2 each correct ans) OR Mapping of Generalization and Aggregation to the Relational Model. -Taking relevant example, correct relationship, attributes and following rules of mapping if the conversion shown then two marks for each.	4	1