





This document is a part of Main Course File		Document No.: CFM – 8	
	SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC		
	COMPUTER ENGINEERING DEPARTMENT		
FORMAT FOR ASSIGNMENTS			
Course Name (With Code): DATABASE MANAGEMENT SYSTEM(3330703)			
Semester / Year:3 rd /2 nd			
Assignment Number:			
Assignment CO Number: 3330703.1			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	Define :- (1) DATABASE (2) DBMS		
2	List advantages of DBMS.		
3			
4			
5			
Part – B	Questions carrying 3 Marks		
1	What are the functions and responsibilities of DBA?		
2			
3			
4			
5			
Part – C	Questions carrying 4 Marks		
1	Define (1) Data Warehouse (2) Metadata (3) Fields (4) Data Dictionary (5) DDL(6) DML(7) Record(6) Data (7) Information		
2			
3			
4			
5			
Part – D	Questions carrying 7 Marks		
1	Explain advantages of database system over file management system.		
2			
3			
4			
5			
Prepared By: (Name of Faculty (ies)) with signature		Signature of Head of Department	


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Course Name (With Code): DATABASE MANAGEMENT SYSTEM(3330703)			
Semester / Year:3 rd /2 nd			
Assignment Number:			
Assignment CO Number: 3330703.2			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	Define Data Model.		
2	What is function of Query Evaluation Engine.		
3	What is integrity manager and file manager?		
4			
5			
Part – B	Questions carrying 3 Marks		
1	what is Mapping? Describe types of mapping with example		
2			
3			
4			
5			
Part – C	Questions carrying 4 Marks		
1	List different data models and explain each and every.		
2	What is Data Independence? Explain types of data independence with example.		
3			
4			
5			
Part – D	Questions carrying 7 Marks		
1	Explain Three-level ANSI SPARC Database Architecture.		
2			
3			
4			
5			
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Course Name (With Code): DATABASE MANAGEMENT SYSTEM(3330703)			
Semester / Year:3 rd /2nd			
Assignment Number:			
Assignment CO Number: 3330703.3			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	what is Domain? Explain with example		
2	Explain Union Operation with proper example.		
3	List different types of join.		
4			
5			
Part – B	Questions carrying 3 Marks		
1	Explain Selection Operation with proper example.		
2	Explain Projection Operation with proper example.		
3	Explain self-join.		
4	Explain Division operation .		
5			
Part – C	Questions carrying 4 Marks		
1	What is join operation? Explain Natural join operation (inner join) with proper example		
2	Explain intersection operation with proper example.		
3			
4			
5			
Part – D	Questions carrying 7 Marks		
1	What is outer join? List various outer join operation. Explain any one operation.		
2			
3			
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Semester / Year:3 rd /2 nd			
Assignment Number:			
Assignment CO Number: 3330703.4			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	List different language of dbms. Explain any two.		
2			
3			
4			
5			
Part – B	Questions carrying 3 Marks		
1			
2			
3			
4			
5			
Part – C	Questions carrying 4 Marks		
1	Describe different data types and operators of SQL.		
2	Explain following functions of SQL*Plus. AVG, INITCAP, ADD-MONTHS, TO_CHAR, ROUND, RTRIM		
3			
4			
5			
Part – D	Questions carrying 7 Marks		
1	Explain following commands of SQL (1) create (2) alter (3) truncate (4) drop table (5) insert (6) delete (7) select		
2	1. Considering following tables write answers for the given queries. EMP (empno, ename, job, managerno, hiredate, sal, commission, deptno) DEPT(deptno, dname, location) 2. List the information of all employees. 3. List the name and salary of the employees whose salary is more than 1000. 4. List the names of employees whose empno are 7369, 7521, 7934 and 7788. 5. List the employees names ending with “A”.		

	<div>5. List the maximum, minimum, average and sum of salary.</div> <div>6. List the deptno and total salary payable in each department.</div> <div>7. List the employee name, department names.</div> <div>8. List employees belonging to the department of “ANURAG”.</div> <div>9. Delete all the employees who are more than 2 years old in the organization.</div> <div>10. Change the deptno of “ANURAG” from 30 to 40 of emp table.</div>	
3		
4		
5		
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Semester / Year: 3 rd /2 nd			
Assignment Number:			
Assignment CO Number: 3330703.5			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	Explain null and not null.		
2	Explain default keyword.		
3			
4			
5			
Part – B	Questions carrying 3 Marks		
1	What is a constraint? Explain check and not null constraint of SQL*Plus.		
2	Discuss integrity constraints available in SQL		
3			
4			
5			
Part – C	Questions carrying 4 Marks		
1	Explain Primary key and Foreign key with example.		
2	Explain on delete cascade, on delete set null keyword..		
3			
4			
5			
Part – D	Questions carrying 7 Marks		
1			
2			
3			
4			
5			
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Assignment Number:			
Assignment CO Number: 3330703.6			
Sr. No.	Questions related to Course Outcomes		
Part – A	Questions carrying 2 Marks		
1	Define Generalization.		
2	Define Specialization		
3			
4			
5			
Part – B	Questions carrying 3 Marks		
1	What is attributes? explain types of attributes with example.		
2			
3			
4			
5			
Part – C	Questions carrying 4 Marks		
1	Describe E-R Diagram symbols with one example.		
2	Define an entity. What is an entity set? What are the different types of entity? Explain with an example.		
3	Explain Generalization and Specialization with example		
4			
5			
Part – D	Questions carrying 7 Marks		
1	List out various symbol of e-r diagram. Draw e-r diagram for hospital management.		
2			
3			
4			
5			
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