

This document is a part of Main Course File

Document No.: CFM – 8



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY
MANAGED

N. G. PATEL POLYTECHNIC

INFORMATION TECHNOLOGY

FORMAT FOR ASSIGNMENTS

Course Name (With Code): DATABASE MANAGEMENT (4331603)

Semester / Year: Third/Second

Assignment Number: 4

Assignment CO Number: 4331603.d

Sr. No.	Questions related to Course Outcomes
Part – A	Questions carrying 3 Marks
1	What are the various problems or pitfalls introduced by the database designed poorly?
2	Explain various dependencies among attributes of a relation.
3	Short note: Functional dependencies.
4	What is normalization? Explain in brief List various normal forms.
Part – B	Questions carrying 4 Marks
1	Explain briefly: update anomaly, Insertion anomaly, Deletion anomaly.
2	Difference: prime attribute v/s non-prime attributes.
3	Explain Fully functional dependency with example.
4	Explain Partial functional dependency with example.
5	Explain Transitive functional dependency with example.
Part – C	Questions carrying 7 Marks
1	Short note on: first normal form, second normal form, third normal form.
2	Consider following relation EMP_PROJ relation (SSN,Pnumber,Hours,ENAME,Pname,Plocation) SSN is social security number of employee which is unique Pnumber is project number which is unique Hours is number of hours employee works on project ENAME is Employee name Pname is project name Plocation is project location. (a) Convert the above relation into 2NF. (b) List the functional dependencies.
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