S.S. Jain Subodh P.G. College (Autonomous)

PGDCA II SemesterSession2025-26
Subject–DataBase Management System (PDCA201)
ASSIGNMENT

Note- Attempt4questions (selecting one question from each unit).

UNIT-I

Q1. Explain different architectures of DBMS with neat diagrams. Also explain different views of DataSchemasand Instances.

Q2.   a) Explain different types of DBMS Languages.
       b) Explain different types of Data Models.

UNIT- II

Q3. What do you understand by Relational Algebra? Explain its operations from "**SET THEORY**".

Q4. Write short notes on –
   a) DBMS Generalization
   b) DBMS Specialization
   c) DBMS Aggregation

UNIT-III
Q5. What is Normalization? Differentiate between 3NF and BCNF normal form in DBMS.

Q6.What do you understand by the term "Concurrency"? Explain all the problems with concurrent

execution.
UNIT-IV

Q7.Writeashort noteonStructuredQueryLanguage.Explainitsdifferentdatatypesandoperators.

Q8. Consider this below given table. Create Employee relation and insert atleast 5 records in this.

EMPLOYEE	FNAME	MINIT	LNAME	SSN	BDATE	ADDRESS	SEX	SALARY	SUPERSSN	DNO
	John	B	Smith	123456789	1965-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
	Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston, TX	M	40000	888665555	5
	Alicia	J	Zelaya	999887777	1968-07-19	3321 Castle, Spring, TX	F	25000	987654321	4
	Jennifer	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire, TX	F	43000	888665555	4
	Ramesh	K	Narayan	666884444	1962-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
	Joyce	A	English	453453453	1972-07-31	5631 Rice, Houston, TX	F	25000	333445555	5
	Ahmad	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston, TX	M	25000	987654321	4
	James	E	Borg	888665555	1937-11-10	450 Stone, Houston, TX	M	55000	null	1

S. S. JAIN SUBODH P.G.(AUTONOMOUS) COLLEGE, JAIPUR

Affiliated to University of Rajasthan, Jaipur

PGDCA Semester IIMarch 2026

Assignment

Sub- Tally

Paper Code –PDCA204

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Instructions to the Candidates

NOTE: Candidates are required to answer any four questions at least one question from each unit.

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UNIT – I

Q. 1 What is Accounting. Explain different types of accounts.

Q.2 Discuss format of Trial Balance and Balance sheet in accounting.

UNIT - II

Q3 Explain different types of vouchers in Tally.

Q4 Discussfollowings.

(a) Company creation
(b) Ledger accounts and group creation in Tally
(c) Explain Display option in Tally

UNIT - III

Q. 5 What Stock Inventory ? Write down steps to create stock item and group in Tally

Q6 What is orders ? Write down steps to make orders in Tally.

UNIT - IV

Q7 What is VAT ? How will you deduct VAT, in sales invoice in Tally.

Q8 What is TDS ? Write down steps to deduct TDS .

S. S. Jain Subodh P.G. (Autonomous) College

PGDCA Sem.-II
Post Graduate Diploma in Computer Application
PDCA203- Desktop Publishing (DTP)
Assignment

Unit I

Explain user Interface of Page Maker. Explain with diagram.
Explain fill, stroke, fill and stroke with diagram.

Unit II

What do you mean by Edit story? Explain steps and draw diagram.
How we use Polygon in PageMaker? Write different polygon settings.

Unit III

Explain different types of Selection tools and Magic wand tool with example.
Explain different tools available in tool Box in Photoshop.

Unit IV

Differentiate between Raster and Vector image.
How we create a visiting card in Corel Draw? Explain steps with diagram.

S. S. Jain Subodh P. G. College, Jaipur

Affiliated to University of Rajasthan, Jaipur
PGDCA II Semester
Session 2025-26
Subject –System Analysis & Design (PDCA205)

ASSIGNMENT

Note: Attempt any fourquestions each from one unit. Each Question Carries equal marks.

UNIT-I

Q1. What is System? Explain Different types of Systems.

Q2. Explain the different steps of SDLC with a diagram.

UNIT-II

Q3.What is feasibility study? Explain different types of feasibility studies in detail.

Q4. Write short notes on following-

   a) System planning
   b) System Analyst
   c) Performance analysis

UNIT-III

Q5. Discuss all the information gathering tools.

Q6. Write short notes on following-

   a) Data Flow Diagram (DFD)
   b) Decision Tables

UNIT-IV

Q7. What are the different types of Testing? Explain the White Box and Black Box testing strategies.

Q8. Write short notes on following-

   a) Verification and Validation
   b) Types of Documentation

S. S. Jain Subodh P.G. (Autonomous) College

PGDCA Sem.-II
Post Graduate Diploma in Computer Application

PDCA202- Object Oriented programming Concepts

<u>Assignment</u>

Attempt any four questions selecting one from each unit. Each question carries equal marks.

Unit I

1. Explain all the features of OOPS in detail.
2. Explain different Looping statements available in C++.

Unit II

3. What do you mean by parameter passing in function? Explain call by value and call by reference with suitable example.
4. What is Array? Explain the declaration and initialization of Array with help of suitable example.

Unit III

5. What are constructor and its characteristics? Define Parameterized Constructor with example.
6. Explain about Friend function giving suitable example.

Unit IV

7. What is Inheritance? How many types of Inheritance in C++? Write a program in C++ to demonstrate Multiple Inheritance?
8. (a) Describe File handling Functions?
    (b) Write a program to read data from file and also print them to another file.