S.S. Jain Subodh P.G. College, Jaipur (Autonomous)
Programme - PGDCA II Semester
Paper Name- DataBase Management System
Paper Code- PDCA201
Assignment March 2025

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Instructions to Students: Assignment consists of 8 questions. Students are required to attempt 4 Questions (1 from each Unit). Write questions in at least 500 Words with good presentation.

Max. Marks: 30

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UNIT-I

Q1. Explain different architectures of DBMS with neat diagrams. Also explain different views of Data Schemas and Instances.

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

UNIT- II

Q3. What do you understand by ERDs? Explain all components of ER Diagram with a suitable diagram.

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. Write a short note on Structured Query Language. Explain its different data types and operators.

Q8. Consider this below given table. Create Employee relation and insert at least 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

PGDCA Sem.-II
Post Graduate Diploma in Computer Application
PDCA202- Object Oriented programming Concepts
Assignment March 2025

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Instructions to Students: Assignment consists of 8 questions. Students are required to attempt 4 Questions (1 from each Unit). Write questions in at least 500 Words with good presentation.

Max. Marks: **30**

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Unit I

1. Explain all the characteristics of OOPS in detail.

2. Explain different operators 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.

S. S. Jain Subodh P.G. (Autonomous) College
PGDCA Sem.-II
Post Graduate Diploma in Computer Application
PDCA203- Desktop Publishing (DTP)
Assignment

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Instructions to Students: Assignment consists of 8 questions. Students are required to attempt 4 Questions (1 from each Unit). Write questions in at least 500 Words with good presentation.

Max. Marks: **30**

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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.(AUTONOMOUS) COLLEGE, JAIPUR
Affiliated to University of Rajasthan, Jaipur

PGDCA Semester II March 2025
Assignment
Sub- Tally
Paper Code – PDCA204

Max. Marks: **30**

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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 Explain format of Trial Balance and Balance sheet in accounting.

UNIT - II
Q3 Explain different types of vouchers in Tally.
Q4 Explain followings.
   (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 COLLEGE, JAIPUR
Affiliated to University of Rajasthan, Jaipur
PGDCA Semester II

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Max. Marks: **30**

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Unit - I

1) What do you mean by Systems? Explain all type of systems.

2) Explain SDLC.

Unit - II

3) Discuss Fact Finding techniques.
4) Define Feasibility Analysis.

Unit – III

1) Explain any two tools for Structured Analysis.
2) Explain any two tools used in information gathering.

Unit – IV

3) What is system Testing? Explain its types.

4) Explain following
   a) Data Security
   b) Disaster/Recovery
   c) Risk Analysis

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