

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

Affiliated to University of Rajasthan, Jaipur

**PGDCA Semester I OCT 2025**

**Assignment**

**Sub- Computer Fundamentals & Office Tools**

**Paper Code - PDCA101**

**Max. Marks: 30**

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**Instructions to the Candidates**

NOTE: Candidates are required to answer any four questions (7.5X4=30 marks)

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**UNIT – I**

Q.1 Explain different Generations of computer in detail

Q.2 Discuss various types of memories.

**UNIT - II**

Q3 What is mail merge ? Explain various steps of mail merge.

Q4 Explain followings.

- (a) Find and Replace
- (b) Bullets and Numbering
- (c) Header and Footer

**UNIT - III**

Q. 5 What is Formula and Functions in Ms-Excel

Q6 Explain various types of charts in MS-Excel.

**UNIT - IV**

Q7 Explain followings

- (a) Tables
- (b) Report
- (c) Query

Q8 Discuss followings

- (a) Slideshow
- (b) Inserting graphics and multimedia

**S. S. Jain Subodh P.G. College, Jaipur (Autonomous)**  
**PGDCA- I Semester**  
**Subject: Programming Fundamentals through ‘C’**  
**Paper Code: PDCA102**  
**Assignment, Oct 2025**

**Note-** Assignment consists of 8 questions. Students are required to attempt any 4 Questions.

**UNIT – I**

1. Explain the history and importance of the C programming language. Discuss the basic structure of a C program
2. Discuss the different types of operators in C.

**UNIT – II**

3. What are string-handling functions in C? Explain any four with examples.
4. Explain the different types of looping statements in C: while, do...while, and for loops.

**UNIT – III**

5. What do you mean by function? Describe types of user define function with examples.
6. What is pointer? Write its advantages. Write a program to swap two number using pointer.

**UNIT – IV**

7. What are the different modes available for file handling in C? Explain each with an example.
8. Differentiate between structures and unions. Explain with suitable example.

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

## **PGDCA Sem- I**

Post Graduate Diploma in Computer Applications

PDCA103 : Web Development Tools

### **Assignment**

*Attempt any 4 questions.*

#### **Unit- 1**

Ques. 1- Explain the following Terms :

- a. Internet & WWW
- b. IP Address
- c. Web Server
- d. DNS (Domain Name Server)

Ques. 2- How do you explain the basic structure of HTML. Explain different Tags available in HTML with example.

#### **Unit- 2**

Ques.3- Explain different features of DHTML? How do you explain CSS style sheets.

Ques. 4- How do you explain XML? Explain modelling of XML data.

#### **Unit-3**

Ques.5- What is the importance of Java Script? Explain different data types used in Java Script.

Ques.6- Write a Java Script function using for- loop to print sum of numbers from 1-100.

#### **Unit-4**

Ques.7- What are the different objects of DOM Hierarchy? Explain in detail.

Ques-8 Explain the concept of File Handling in Java Script . Write a program for form validation.

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**CIA-I P.G.D.C.A Semester I Oct, 2025**

**Subject: Networking Technologies**

**Paper Code: PDCA104**

**Name of the Paper Setter: Dr. Vandana Vijay**

**Instructions to students:** - Attempt any **four** questions.

**Unit 1**

Q1. What is Communication System? Explain the different components of data communication system.

Q2. Write a short note on Network Security.

**Unit 2**

Q1. Differentiate between Twisted pair cable and Co-axial cable with the help of diagram.

Q2. What is an Error? Explain error detection and correction methodologies

**Unit 3**

Q1. Explain the functions of Transport Layer and Application layer in networking.

Q2. Differentiate between Bridges, Routers and Gateways.

**Unit 4**

Q1. Explain the TCP/IP Protocol Suite in detail.

Q2. Differentiate between FTP, Telnet, DNS and DHCP.

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**CIA-I P.G.D.C.A Semester I Oct, 2025**

**Subject: Operating System**

**Paper Code: PDCA105**

**Name of the Paper Setter: Dr. Ravi Shankar Sharma**

**Instructions to students:** - Attempt any **four** questions.

## **ASSIGNMENT**

### **UNIT-I**

Q1. What is Operating System? Explain its Functions.

Q2. Define Scheduling? Describe various types of Scheduling in detail,

### **UNIT-II**

Q3. Explain Memory Management in detail?

Q4. Explain the following:

- (a) Segmentation
- (b) Virtual memory management
- (c) swapping

### **UNIT-III**

Q5. Describe Deadlocks in detail?

Q6 Explain File Concept in detail?

### **UNIT-IV**

Q7. Explain Mass-Storage Structure in detail?

Q8. Describe Security and Protection concept in detail?