

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

Affiliated to University of Rajasthan, Jaipur
PGDCA Semester I Sept 2024

Assignment

Sub- Computer Fundamentals & Office Tools

Paper Code - PDCA101

Max. Marks: 10

Instructions to the Candidates

NOTE: From each unit candidates are required to answer any two questions from any unit. (5X2=10 marks)

UNIT – I

Q. 1 Explain classification of computer in detail

Q.2 Discuss various input and output devices.

UNIT - II

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

Q4 Explain followings.

- (a) Spelling & Grammar
- (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

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PGDCA I Semester [Session 2024-25]

Programming Fundamentals through 'C' (PDCA102)

ASSIGNMENT

Note: Attempt any Two Questions from any of the unit. Each Question Carries equal marks.

UNIT - I

1. Write short notes on
 - i. Data Types
 - ii. C Tokens
 - iii. Basic Structure of a C Program
2. What are the different types of Operators available in C programming language? Explain all the Operators with a suitable example.

UNIT - II

3. What is an array? Write a program to find the maximum of an array of n elements.
4. What is Iteration? Explain different types of looping with the help of a suitable example.

UNIT - III

5. What is a function? What are the different categories of a function? Explain all of them with the help of a suitable example.
6. What is pointer? Write a 'C' Program to swap two numbers using pointers.

UNIT - IV

7. What is a structure? Write a 'C' Program to read and display data of n students using array of structures.
8. What is a File? Write a C program to input data into a file from keyboard and then display the contents of the file on the display screen.

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PGDCA Sem- I
Post Graduate Diploma in Computer Applications
PDCA103 : Web Development Tools

Assignment

Attempt any two questions from any two units.

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

Ques. 2- How do you explain XML? Explain modeling of XML data.

Unit-3

Ques.1- What is the importance of Java Script? Explain different data types used in Java Script.

Ques.2- Write a Java Script function using for- loop to print sum of numbers from 1-100.

Unit-4

Ques.1- What are the different objects of DOM Hierarchy? Explain in detail.

Ques-2 Explain the concept of File Handling in Java Script . Write a program for form validation.

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PGDCA – I Semester

Session 2024-25

Subject –Operating System

Subject Code – PDCA105

ASSIGNMENT

Note: Attempt any two Questions.

UNIT – I

1. What are the functions of as Operating System? Explain various types of Operating Systems
2. What is CPU Scheduling? Explain various types of CPU scheduling algorithms with a suitable example of each.

Unit II

3. Write short notes on:

- i) Swapping
- ii) Contiguous memory Allocation

4. What is Demand Paging? Explain various Page Replacement Algorithms with a suitable example of each.

Unit III

5. What is Deadlock? Explain the measures of avoidance, detection and recovery from deadlock.
6. Explain the various File Allocation methods in Operating System?

Unit IV

7. What is Disk Scheduling? Explain different types of Disk Scheduling Algorithms.
8. Write short notes on:
 - a. Swap-Space Management
 - b. Goals of Protection

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PGDCA I Semester

Session 2024

Subject –Networking Technologies (PDCA-104)

ASSIGNMENT

Note- Attempt any TWO questions from any Unit.

UNIT-I

1. What do you mean by network architecture? Write its importance. Explain its type with their pros and cons.
2. What is Network Security? Explain different types of Viruses and Worms.

Unit-II

3. Describe about the Error detection and Correction.
4. What is Transmission Media? Explain different types of Wired and Wireless media in detail.

Unit- III

5. Describe about multiple access protocol with diagram.
6. Write short notes on Functionality of:

- (i) Bridge
- (ii) Routers
- (iii) Gateways

Unit –IV

7. Explain TCP/IP Protocol and compare with OSI model.
8. Write short notes on:
 - (i) File Transfer Protocol
 - (ii) Telnet
 - (iii) Domain Name System