HIMACHAL PRADESH UNIVERSITY, SUMMER HILL, SHIMLA

INTERNATIONAL CENTRE FOR DISTANCE EDUCATION AND OPEN LEARNING

(COMPUTER SCIENCE DEPARTMENT)

ASSIGNMENT No:

Course:	Semester:
Name of Student:	Roll No:
Paper Code:	Paper Title:
Theory/Lab:	Date of Submission:
Session:	Batch:

Signature of Student

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Assignment

DCA 1st Semester   Subject: DCA-101 Problem Solving using C

1. What is an Algorithm? What are features of an algorithm?
2. What is a flowchart? Discuss about basic symbols of a flowchart.
3. Briefly explain data types in C language.
4. Discuss various storage classes in C.
5. Explain about if-the-else with example.
6. Explain about for loop with an example.
7. What are Arrays in C?
8. What do you mean by string manipulation in C

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Assignment

DCA 1ˢᵗ Semester   Subject: DCA-102 Office Applications

1. What is an open-source software? What are its advantages?
2. What is a database?
3. What is a word processor? What are its uses?
4. What are the shortcut keys for cut, copy, paste, undo, redo.
5. What is the use of formula in a spread sheet? How do use a formula?
6. What type of graphs are there in a spreadsheet?
7. How do you add color and style to a power point presentation?
8. How do you insert picture in a presentation?

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Assignment

DCA 1ˢᵗ Semester   Subject: DCA-103 Computer Fundamentals

1. What are various components of a computer? Discuss with block diagram.
2. Discuss about characteristics and limitations of a computer.
3. Explain about input devices.
4. Explain about various output devices.
5. What is operating system? List different types of operating systems.
6. Differentiate between machine language and assembly language.
7. What are the main differences between LAN and WAN?
8. What is client server architecture?

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Assignment

DCA 1ˢᵗ Semester   Subject: DCA-104 Operating System

1. What is an Operating System? Why do we need it?

2. What are the functions of an Operating System?

3. Explain various process states with the help of a state transition diagram?

4. What is a process control block? What type of information is contained in it?

5. Explain about FCFS, SJF and SRTF scheduling.

6. What are deadlocks?

7. Explain four necessary conditions for occurrence of a deadlock?

8. Discuss about Bankers's algorithm.

9. What is memory management? Why do we need it?

10. Briefly explain about storage hierarchy.

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Assignment

DCA 1st Semester   Subject: DCA-151 Lab I (Problem solving using C)

1. Write a program of your choice that uses if-then-else.
2. Write a program of your choice that uses for loop.
3. Write a program of your choice that uses while loop.
4. write a program of your choice that uses Arrays.
5. Write a program of your choice that uses switch statement.
6. Write a program to add three numbers.

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Assignment

DCA 1ˢᵗ Semester   Subject: DCA-152 Lab II (Office Applications)

1. What is a table in MS word. Write steps to create table.

2. What is mail merge? Write steps to create mail merge in MS word.

3. Write steps to create a column chart in excel.

4. Write steps to calculate percentage.

5. Write the use of slide transition and animation while making presentation.

6. Write some common formulae in excel.