

## Instructions for Assignment P.G.D.C.A

For this Academic session (2019-20) the Internal assessment would be based on the assignment not the Internal Tests. So the students are requested to submit the assignments via Email. In case of any query please contact on following numbers: 81460-66122 (Dr. Dilraj Singh) OR 98153 -59109(Dr. Vishal Singh).

**For submitting the assignments please follow the instructions below:**

1. There should be **ONE FILE ONLY PER STUDENT** which shall include the assignments for all the subjects.
2. The students can prepare the assignment using MS-Word, if not possible they can prepare written file and then send that as a scanned PDF file. For preparing the scanned PDF file students can make use of ADOBE SCAN or CAM SCANNER free software available in Google Play store.
3. Students should attempt 2 questions for each subject.
4. The assignment is to be sent as an email attachment to the following email id . The subject of the Email should be the Name and Roll No of the Students.

**pgdcaint@gmail.com**

5. Please add the below title for the Assignment at the beginning:

**DEPARTMENT OF DISTANCE EDUCATION  
PUNJABI UNIVERSITY, PATIALA  
Assignment for Internal Assessment**

**Class: P.G.D.C.A.**

**Session: 2019-2020**

**Roll No. \_\_\_\_\_**

**Student's Name:** \_\_\_\_\_

**Father's Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

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**Contact No.** \_\_\_\_\_

**Paper: PGDCA-1 Introduction to Information Technology**

1. Discuss the computer generations in detail along with their characteristics.
2. Explain different types of printers.
3. Explain in detail various application of Information technology in today's world.

**Paper: PGDCA-2 Operating System**

1. Explain various types of OS?
2. Define DOS. Explain the booting process of DOS.
3. Write various features of Windows OS?

**Paper: PGDCA-3 Database Management System**

1. Discuss characteristics of database management over traditional file processing.
2. What is ER-Modeling? Explain the components of ER-Model.
3. What do you mean by Normalization. Describe various forms of Normalization with suitable examples.

**Paper: PGDCA-4 Problem solving using C**

1. List and discuss various types of operators available in C.
2. What is the difference between call-by-value and call-by-reference?
3. What are different kinds of operations that can be performed by Pointers.

**Paper: PGDCA-5 Introduction to Computer Network Internet and E-Comm.**

1. What do you mean by computer network? Discuss different types of network topologies along with merits and demerits.
2. Explain the OSI reference model .
3. Write a details note on E-Commerce .

**Paper: PGDCA-6 Management Information System**

1. What is MIS? Write the characteristics and features of MIS.
2. Explain Simon's model of decision making.
3. Explain various System development stages.

**Paper: PGDCA-7 Software Lab-I (DOS, Windows, Unix)**

1. Explain various Internal commands of DOS
2. What is Control Panel? List few items which are part of Windows control panel.
3. Write few commands used in UNIX by giving examples.
4. What is Vi editor? Write various commands used in Vi editor.

**Paper: PGDCA-8      Software Lab-II (MS-Office : Excel, Word, Power Point, MS-Access)**

1. Write the features of MS-Word.
2. Write various formulas used in MS-Excel.
3. Write the features of MS-Powerpoint.
4. Explain various ways of creating table in MS-Access.

**Paper: PGDCA-9 Software Lab-III (Programs to be implemented in C)**

1. Write a Program to print the prime numbers between any two given numbers.
2. Write a Program to Factorial of a number using Functions.
3. Write a program print Fibonacci series upto 100.
4. Write a Program to arrange elements of a one dimensional array in ascending order.

**Paper: PGDCA-10 Software Lab-IV (Web Designing, HTML and Other Scripting Languages)**

1. What is HTML? Explain the structure of a HTML with the help of an example.
2. What are the various types of List used in HTML? Give example.
3. What is CSS? Explain by giving suitable example.
4. What is the use of Java script? Give example.