



**Directorate of Open and Distance Learning
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NOTIFICATION

**for
PGDCA 1st Semester Learners regarding submission of Home Assignments**

This is for information to all Study Centers and Learners under DODL, DU that the student of PGDA 1st Semester shall have to submit one Home Assignment in each course (paper). Each assignment carries 30 marks. The questions for the Home Assignments are enclosed herewith. At the time of submitting the assignments, please note the following:

- * Write your assignment in A4 size paper neatly, with your own hand- writing on one side of the paper. You may also submit a computer printed copy of your assignments with your signature at the end.
- * Stick to the word limit mentioned in the questions.
- * Keep a margin of about 5 cm on the left side of the paper.
- * You have to submit the assignments directly in the Study Centre wherein you have enrolled yourself.
- * The assignments for a course (paper) should be tagged / stapled together to make a booklet, i.e. a separate booklet for each course (paper).
- * Keep a duplicate or photo copy of the assignment with you (compulsory).
- * The last date of submitting the Assignment is 20th March, 2020 (excluding Sundays)
- * The cover page of your booklet should contain the following Label :

Home Assignment
Name of Study Centre _____
Roll No. _____
Name _____
Programme : PGDCA
Class : 1st Semester
Course (Paper) : _____
Session : 2019 -2020
D.U. Registration No. : (If received) _____ of _____
Date of Submission : _____

Sincerely Yours

Sd/-

(Dr. Deba Pallab Rajkhowa)

Director
DODL, D.U

ASSIGNMENT
Basic Information Technology
PGDCA -101

Total marks : 30

(Answer any six)

1. Describe the various generation of computers. 5
2. Explain various storage device in brief. 5
3. What is operating system? Explain the functions of Operating System. 5
4. Describe the various functions of windows Explorer? 5
5. Describe briefly the Unix architecture explaining the role played by the Kernel and shell in sharing workload 5
6. What is an alignment ? Describe the various alignments supported by word? 5
7. Describe the various components of the Excel worksheet window. 5
8. Explain with example , five internal DOS commands. 5

ASSIGNMENT
Programming paradigm using C,C++
PGDCA -102

Total marks : 30

(Answer any six) 5

1. What are the fundamental data types in C programming language. 5
2. Discuss the different types of arithmetic and relational operators. 5
3. Explain the following: 5
 - a. goto
 - b. break
4. Explain if – else and SWITCH statement. 5
5. What is constructor and destructor? Give differences between the two. 5
6. What is inheritance? What are the different types of inheritance? 5
7. Briefly explain the objectives of object oriented programming language 5

ASSIGNMENT
Internet Technology, E-Commerce
PGDCA -103

Total marks : 30

(Answer any six) 5X6=30

1. Describe different types of Internet Connectivity types.
2. State the basic features of WWW.
3. Briefly explain the procedure of Web publishing.
4. Write the HTML codes to create
 - a. a table having 3 rows and 2 columns
 - b. An unordered list of 4 items
5. What is an e-mail ? Write about the different parts of an e-mail.
6. Explain the following:
 - a. Remote Logging
 - b. Terminal Emulation
7. Write short notes on
 - a. Asynchronous transmission
 - b. Synchronous transmission

ASSIGNMENT
PGDCA -104
Total marks : 30

LABORATORY ASSIGNMENT (Any six) 5X6=30

1. Write a program in C to find the greatest of three numbers.
2. Write a program in C to find a factorial of a number. (Use function)
3. Write a program in C to print multiplication table.
4. Write a program in C to search element in an array using binary search.
5. Write a program in C to generate the first n Fibonacci series.
6. Write a program in C++ to add two numbers using class and objects.
7. Write a program in C to find largest number in an array.