

STUDENT ASSIGNMENTS (SESSION 2022-23)

Certificate in Information Technology (Distance Mode)

Guidelines to submit Assignments

The students are required to read carefully and follow the instructions given below:

1. Submission of one complete Assignment in each paper of the programme is compulsory.
2. Completed Handwritten Assignments on A4 size papers in a PDF format need to be submitted on Google Classroom on or before the due date
3. Write your Name, Father's Name and Roll Number as required on the cover page of each Assignment.
4. For Assignments Submitted after due date mentioned, a late fee of Rs. 100/- per assignment will be payable through Demand Draft in favor of Jamia Millia Islamia, Payable at New Delhi
5. For ex-students who failed to submit assignments during the course of the programme are required to submit Rs. 200/- per assignment payable through Demand Draft in favor of Jamia Millia Islamia, Payable at New Delhi.
6. Please go through your Programme Guide carefully for further details.
7. Last Date for Assignment Submission is **15-Jul.-2023**
8. **Link for Google Class Room:**
<https://classroom.google.com/c/NTlyNjA3NTUwMzQ0?cjc=2jra3fl>

NOTE: Attempt any **THREE** questions from each Assignment and Each Question carry **10** marks. Total Marks for each Assignment is 30.

CIT-101 Fundamentals of Computing	
1	How information technology affects our society discuss in defferent aspects.
2	What is Flowchart? Discuss the symbols used in flowchart and draw the flowchart to find the roots of quadratic equation.
3	What are the differences between Object-oriented and Procedure-Oriented Programming?
4	Discuss in detail the use of computer in different fields.
5	Explain various types of number system used in computer system.

CIT-102 Introduction to Computer Systems	
1	What do you mean by Digital Computer ?Draw the block diagram of Digital computer.
2	What is the role of software in computer system ?Differentiate between hardware and software.
3	Define computer viruses and also mention types of computer viruses.
4	Define the terms (i) Motherboard. (ii) Sockets and ports (iii) VGA port
5	What do you understand by data communication ? List the various modes of communication.

CIT-103 PC Application Software(MS Office)

- 1 Briefly outlines the following views used in MS-Word
a) Draft View b) Web Layout view c) Print Layout View d) Reading Layout View
- 2 Consider a MS-Access table with following attributes
EMPLOYEE (EMPID, EMPNAME, CITY, SALARY, AGE, YAER)
Write SQL queries for the following:
a. Employees whose earning is greater than 10000.
b. Employees who live in DELHI and earning greater than 15000
c. Employees who are living in MUMBAI and retired (retired age is 65)
d. Employees whose joining year is 2001 and age is less than 35
e. Employees who joined after 2012 or living in Lucknow.
- 3 Explain different types of functions used in MS- Excel with their syntax and example.
- 4 State characteristics of a good presentation needed in preparing power point slides.
- 5 Differentiate between Application and System Software.

CIT-104 Internet & Multimedia

- 1 What is an IP address? What are the different classes of IP addresses? How many bytes does each class of IP address use to represent network and host IDs?
- 2 Mention what do you mean by Responsive design on a web page? How to Create a Simple Web Page with HTML?
- 3 What is multimedia? Define its various types. List some advantages of Multimedia?
- 4 What do you understand by Mobile Computing? What are the basic building blocks for Mobile Computing? What are the different types of applications in which Mobile Computing is used?
- 5 What is the difference between wired and wireless network? Define the various types of wireless connections.

CIT-105 Computer Programming(C,C++)

- 1 Differentiate between
a) C and C++.
b) Procedural Oriented Programming and Object Oriented Programming.
- 2 Explain Array and its type with example and write a C/C++ program to multiply any two matrix where size of matrices is user defined.
- 3 Explain the importance of inline functions and function overloading with example.
- 4 Explain the following.
a) Pointer
b) File Management in C

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Explain the features of OOP. and Write a C++ program to demonstrate example of friend function with class.