STUDENT ASSIGNMENTS
(SESSION 2021-22)

<u>INSTRUCTIONS</u>

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

- Submission of one complete Assignment in each course of the programme every year is compulsory.

- Completed Assignments on prescribed Assignment booklets are to be submitted by hand or through post to the Study Centre/Programme Coordinator, CDOL as per dates mentioned in the Academic Calendar 2021-22 (http://jmi.ac.in/bulletinboard/academic-calendar/cdol).

- For Assignments Submitted after dates mentioned in the Academic Calendar, a late fee of **Rs. 100/-** per Assignment will be payable to CDOL through Demand Draft in favour of Jamia Millia Islamia, Payable at New Delhi.

- For Ex-Students who failed to submit Assignments during the course of the programme are required to submit **Rs. 200/-** per Assignment to CDOL in the form of Demand Draft in favour of Jamia Millia Islamia, Payable at New Delhi.

- Write your name, roll number and other details as required on the cover page of **Assignment Booklet.**

- **For your record you may keep a photocopy of your Assignment.**

- Contact your Study Centre/ Programme Coordinator to collect evaluated Assignments.

- **Please go through your Programme Guide carefully**.

Certificate in Information Technology (CIT)

Course Name: Fundamentals of Computing   **Course Code: CIT –101**
Session: 2021-22   **Max. Marks: 30**

Attempt any three questions. All questions carry equal marks.

1	Discuss the computer generations also describe the digital and analog computer.
2	Write down the uses of computers in various fields.
3	What are Problem Solving Techniques?
4	What are the differences between Object-oriented and Procedure-Oriented Programming?
5	Explain various types of number system used in computer system.

Course Name: Introduction to Computer System   **Course Code: CIT – 102**
Session: 2021-22   **Max. Marks: 30**

Attempt any three questions. All questions carry equal marks.

1	What do you mean by computer system ? Draw the block diagram of digital computers.
2	Write the different types of PC.also diffrentiate between super computers and mainframe computers
3	Why we need of software to operate the computer system.also discuss the importence of operating system in computer system.
4	What do you mean by Data Communication? List the vatious modes of communication.
5	write note on (a) UNIX (b) LINUX (c) MS-DOS.

Course Name: PC Application Software (MS Office)   **Course Code: CIT – 103**
Session 2021-22   **Max. Marks: 30**

Attempt any three questions. All questions carry equal marks

1	Explain the use of reference features in MS-word
2	Explain mathematical, logical and text Functions used in MS-Excel with examples.
3	Write down the characteristics of a good Power point presentation. And briefly explain different views used for Presentation.
4	Describe the significance of sorting and Filtering in MS-Access.
5	Consider following MS-Access database i) To show the detail of student who belongs to "DELHI" ii) To show Roll No and Name of student who enrolled in "CIT" course. iii) To show the detail of student who enrolled in "CIT" and lives in "MUMBAI" iv) To show the details of students whose name starts with letter "A" v) To show the name of students who are enrolled in "CIT" but not live in "MADRAS"

Course Name: Internet & Multimedia **Course Code: CIT – 104**
Session 2021-22 **Max. Marks: 30**

Attempt any three questions. All questions carry equal marks

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.

Course Name: Computer Programming (C, C++) **Course Code: CIT – 105**
Session 2021-22 **Max. Marks: 30**

Attempt any three questions. All questions carry equal marks

1	Explain Control Flow and Conditional statements in details with a short program in C.
2	Explain various features of Object Oriented Programming in detail.
3	Explain the concept of Inline function and Function Overloading with example in detail
4	Explain 10 string manipulation function with code.
5	Expalin role of Constructor and Destructor in C++ and also exaplain types of Constructor.

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