

# **Assignments**

**2019-20**

**Certificate of Information Technology (CIT)**

**Centre for Distance & Open Learning**

**Jamia Millia Islamia**

**New Delhi-11002**

## **STUDENT ASSIGNMENTS (SESSION 2019-20)**

### **INSTRUCTIONS**

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

- Submission of one complete assignment in each course of the programme is compulsory.

- Completed assignments on prescribed assignment booklet are to be submitted by hand or through post to the study centre/Programme Coordinator, CDOL as per dates mentioned in the Academic Calendar 2019-20.

(<https://www.jmi.ac.in/bulletinboard/academiccalendar/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 own 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.

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### **FUNDAMENTALS OF COMPUTING: CIT-101**

**Session: 2019-20**

**Marks: 30**

NOTE: Attempt any three questions. All questions carry equal marks.

1. Explain Different number system used in computer system to represent data.
2. Write down the application of Computer in Business and Banking.
3. Write down algorithm to generate a fibonacci series and factorial of a number.
4. What are the differences between Object Oriented Approach and Procedural Approach.

5. Explain the role of information technology in today's life.

### **INTRODUCTION TO COMPUTER SYSTEM: CIT-102**

**Session: 2019-20**

**Marks: 30**

NOTE: Attempt any three questions. All questions carry equal marks.

1. Explain Tree and Mesh network topology with their advantages and disadvantages.
2. Write note on any five input and any five output devices used in computer system.
3. How does computer virus effect the performance of a computer system and what are the preventive methods that can be used to secure computer system from virus.
4. Write details of different types of Operating system.
5. What is network security? Explain some methods used for network security.

### **PC APPLICATION SOFTWARE (MS\_OFFICE): CIT-103**

**Session: 2019-20**

**Marks: 30**

NOTE: Attempt any three questions. All questions carry equal marks.

1. Explain different types of templates in MS-Word, and their specific advantages.
2. Explain different types of functions with their syntax and example in Ms-Excel.
3. Write down a few characteristics of a good presentation.
4. What id DBMS? What are the differences between Data Redundancy and Data Consistency?
5. What is cross tab query? Discuss various types of queries in MS-Access also

### **INTERNET AND MULTIMEDIA: CIT-104**

**Session: 2019-20**

**Marks: 30**

NOTE: Attempt any three questions. All questions carry equal marks.

1. What is E-Commerce? Write down advantages and disadvantages of it.
2. How does Interactive media is different from hypermedia.
3. What is Mobile Network? Explain the following in brief  
(i) MSC      (ii) BSC      (iv) HLR      (iv) AuC
4. Describe the basic elements that are used with HTML tags. And Create a simple Web page by using these tags.
5. What do you understand by handoff in mobile network? Which layer is responsible for it.

### **COMPUTER PROGRAMMING: CIT-105**

**Session: 2019-20**

**Marks: 30**

NOTE: Attempt any three questions. All questions carry equal marks.

1. What do you understand by Inheritance? Explain different types of inheritance with a short example.
2. Describe the major parts of a C++ program and How does a main() function in C++ differ from main() in C?
3. What do you understand by Constructor? List some of the special properties of constructor functions.
4. Explain different features of Object Oriented Programming (OOPs).
5. Write a C/C++ program to add elements of two matrices in which order and elements of matrices must be entered by user.