

# **Institute of Distance Learning**

## **Master of Business Administration (MBA)**

### **Assignments for Semester III**

<b>Course Code</b>	<b>Course Name</b>	<b>Total No of Assignments</b>	<b>Total Marks</b>
FM-313	Fundamentals of Information Technology	3	30
FM-314	C Programming	3	30
FM-418	DBMS & Oracle	3	30
FM-419	Web Designing and Content Management	3	30
FM-420	Software Engineering	3	30
FM-517	Enterprise Resource Planning	3	30

### **Instructions for all the Assignments**

- 1) All questions are compulsory
- 2) All questions Carry Equal marks.

<b>Course Code: FM-313</b>	<b>Course Title: Fundamentals of Information Technology</b>
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## **ASSIGNMENT I**

**Coverage: Unit I to IV**

### **Questions:**

1. Explain the computer classification based on technology?
2. Explain the difference between LCD and LED?
3. Explain PROM and EPROM?
4. Write Short Notes-
  - a) Joystick
  - b) Input Device
  - c) Inkjet monitor
  - d) Laser printer

## **ASSIGNMENT II**

**Coverage: Unit V to VIII**

### **Questions:**

1. Differentiate between the following: CD-ROM, CD-R and CD-RW?
2. How Arithmetic performed in a computer?
3. Difference between algorithm and program
4. Write Short Notes-
  - a) Convert the binary number 101010 to a decimal number.

- b) Floppy Disc
- c) Pen Drive
- d) Punch Card
- e) Open Source Software (OSS)

## **ASSIGNMENT III**

**Coverage: Unit IX to XIV**

**Questions:**

1. Differentiate between packet switching and circuit switching? Explain TCP/IP in detail?
2. Explain OSI model in detail? Explain Preemptive and non preemptive algorithm?
3. Explain the various topologies in terms of advantages and disadvantages? What is the use of firewall?
4. Write short notes on the following:-
  - a) Process Control Block, Types of scheduler
  - b) JOB Scheduling, Process Management
  - c) System Call, Router
  - d) Bluetooth, NIC

<b>Course Code: FM-419</b>	<b>Course Title: C Programming</b>
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## **ASSIGNMENT I**

**Coverage: Unit I to IV**

**Questions:**

1. What are the constant and variable? What is Symbolic constant?  
Describe its types.
2. What is the difference between formatted I/O and unformatted I/O?  
Write the input/output formatted function along with syntaxes.
3. Write a program to check the given number is palindrome or not.
4. What do you mean by control statements? Describe the application of break and continue in C-programming. Explain with example.

## **ASSIGNMENT II**

**Coverage: Unit V to VII**

**Questions:**

1. What is a recursive function? Write a program in C to allow a user to enter an integer number interactively and display its factorial value.
2. What is a function? Give the syntax of declaring a function in C.

3. Write a program to accept a line of text and display the number of consonants and spaces in that line.
4. Write a program that a 3\*3 matrix and find sum of all the element of matrix then print the sum.

### **ASSIGNMENT III**

**Coverage: Unit VIII to XIII**

**Questions:**

1. Write a program to accept 10 names and display those names after sorting them alphabetically in descending order.
2. What do you mean by storage classes in C? What are the types of storage Classes in C.
3. Describe any two file handling input/output function?
4. Write a program to enter name, roll and marks of 10 students and store them in the file. Read and Display the name from the file.

<b>Course Code: FM-418</b>	<b>Course Title: DBMS &amp; Oracle</b>
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## **ASSIGNMENT I**

**Coverage: Unit I to IV**

### **Questions:**

1. What is DBMS? Differentiate between conventional file system and DBMS.
2. Explain with well labeled diagram 3 tier architecture of DBMS?
3. Describe ACID properties in detail.
4. Write short notes on the following:-
  - a) Generalization and Aggregation
  - b) DDL
  - c) DML
  - d) Concurrent Execution of Transaction

## **ASSIGNMENT II**

**Coverage: Unit V & VI**

### **Questions:**

1. What is Normalization and de-normalization? Explain Boyce Code Normal Form?

2. Write a note on table spaces and data files? Explain the concept of relationship also define M: N relationship in DBMS.
3. Write a query that display the employee's name with the first letter capitalized and all other letters lowercase for all employees whose name starts with J,A,or M?
4. Write short notes on the following:-
  - a) Timestamp based protocol.
  - b) Deadlock
  - c) Deadlock recovery technique
  - d) Set Operators

### **ASSIGNMENT III**

**Coverage: Unit VII & VIII**

**Questions:**

1. Explain Oracle Architecture and explain in brief Oracle instance architecture?
2. Explain the network model with diagram and write the advantages and disadvantages of network model?
3. To study Basics command (create database, create table, use, drop, insert)
  - a. And execute the following queries using these command:

- b. Create a database named 'Employee'
- c. Use the database named 'Employee' and create a table 'EMP' with attributes 'ename', 'ecity', 'enumber', 'eaddress', 'deptname'.
- d. Create another table 'company' with attribute 'cname', 'ccity', 'empnumber' in the database 'Employee'
- e. To study the viewing command (select, update) and execute the following queries using these commands:
- f. Find the name of all employees who live in Delhi.
- g. Increase the salary of all employees by rs 5000.
- h. Find the company names where the number of employee is greater than 10,000
- i. Change the company city to Gurgaon where the company name is 'TCS'.

4. Write short notes on the following:-

- a) TCL
- b) Deadlock
- c) Locking Technique in Oracle
- d) Architecture



<b>Course Code: FM-419</b>	<b>Course Title: Web Designing and Content Management</b>
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## **ASSIGNMENT I**

**Coverage: Unit I to IV**

**Questions:**

1. Explain the TCP/IP model in brief.
2. Explain the function of web browser? What are the threats of old browsers and how I can be prevented?
3. Which are the basic tags of HTML? Explain them
4. Short Notes:-
  - a) Cloud Computing
  - b) Domain Name System
  - c) HTML
  - d) Web Development Life Cycle

## **ASSIGNMENT II**

**Coverage: Unit IV to VII**

**Questions:**

1. What is the use of Frame and Frameset tags? Explain with example.
2. Explain Form and Input tags with their different attribute-values.
3. What is the use of Cascading Style Sheets?

4. What is JAVA Script? What are the Various JAVA Script Operators?

Give Example of each.

### **ASSIGNMENT III**

**Coverage: Unit IX to XI**

**Questions:**

1. What is Array? How do you sort an Array?
2. What are the various methods to connect MYSQL from PHP? How do you handle the error in PHP?
3. What is Relational database? What are the various data types used in RDBMS? Explain with Example.
4. Explain Feature and function of Content Management System?

<b>Course Code: FM-420</b>	<b>Course Title: Software Engineering</b>
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## **ASSIGNMENT I**

**Coverage: Unit I to IV**

### **Questions:**

1. Define software, software application and Software Engineering.
2. Explain in detail Software Development Life Cycle (SDLC).
3. Explain roles of system analyst.
4. Write short notes on the following:-
  - a) Jed model
  - b) Waterfall model
  - c) Spiral Model
  - d) SRS

## **ASSIGNMENT II**

**Coverage: Unit V to VIII**

### **Questions:**

1. What is SQA plan? Define then term quality assurance.
2. What is Software testing explain V & V model in detail?
3. Differentiate any 3 points between manual testing and automated testing.
4. Write Short Notes:-
  - a) Inspection Process

- b) Software Reliability
- c) Document Preparation
- d) Software Testing

### **ASSIGNMENT III**

**Coverage: Unit IX to XII**

**Questions:**

1. What is s/w maintenance and explain types of maintenance?
2. Explain Categories of CASE tool and benefits of CASE tool.
3. What is web engineering, explain attributes of web engineering.
4. Write Short Notes:-
  - a) OOAD
  - b) Agile Process
  - c) Inheritance
  - d) SSAD

## **ASSIGNMENT I**

**Coverage: Unit I to IV**

**Questions:**

1. Explain the basic concept of ERP? Explain evolution, need & benefits of ERP?
2. What is the difference between Data Warehouse and Data Mining?
3. What is Requirement Analysis? Explain the importance of contracts with vendors and ERP packages.
4. Write the short notes on
  - a) Challenges of ERP implementation
  - b) Vendor analysis
  - c) CRM
  - d) SWOT analysis

## **ASSIGNMENT II**

**Coverage: Unit V to VII**

**Questions:**

1. What are the different phases of ERP implementations?
2. Describe the ERP life cycle management?
3. Explain the process of post implementation review of ERP system?

4. Write short notes on the following :-

- a) Training & Education
- b) ERP maintenance
- c) RMMM Plan
- d) ERP- Project Management

### **ASSIGNMENT III**

**Coverage: Unit VIII to X**

**Questions:**

1. Elaborate on the concept of cloud computing?
2. Discuss the key player of ERP Vendors? Give their strength and weakness?
3. Explain the emerging technologies and their impacts on ERP systems.
4. Discuss various types of attacks on networked system.
5. Write short notes on the following:-
  - a) Post implementation review process
  - b) Future of ERP
  - c) Campaign management
  - d) Impact of Emerging Technologies of ERP Systems.