**LESSON PLAN**

**Name of Professor: Ms. Shalin Bhola Class: M.Com Sem 3**

**Subject: MC 301 Computer Application in Business**

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| **Month** | **Topic Covered** |
| 01.09.22 to 30.09.22 | Computer System: Meaning, scope, types; Basic computer organization: Central Processing Unit, input, output, and storage devices  Revision and test |
| 1.10.22 to 21.10.22 | Introduction to software; System software - operating system, user interface and its types; Application software - word processing, spreadsheets  Revision and test |
| 27.10.2022 to 30.11.22 | Introduction to databases, tables, queries, reports and form generation. Fuzzy Logic, etc  Information Technology in Business: Concept of information technology; Local Area Network– media & topologies and Wide Area Networks  Revision and test |
| 1.12.22 to 24.12.22 | Electronic data processing; Intranet and extranet, concept and evolution; World Wide Web; Multimedia technologies; Video conferencing; Broadband networks; Planning and designing web pages  Test and Revision |

**LESSON PLAN**

**Name of Professor: Ms. Shalin Bhola Class: BBA Sem 3**

**Subject: BBA-205: Fundamentals of DBMS and ORACLE**

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| **Month** | **Topic Covered** |
| 01.09.22 to 30.09.22 | Basic Concepts – Traditional file oriented approach, Disadvantages of simple file system, Database approach, Advantages of Database approach  Database Management Systems(DBMS), Components of DBMS Environment, Advantages and Disadvantages of DBMS  Revision and test |
| 1.10.22 to 21.10.22 | DBMS Architecture, Data Independence, Data Models, Keys  Computers: An introduction, use of computer in business, advantages and disadvantages  Revision and test |
| 27.10.2022 to 30.11.22 | Computerized system for inventory control, payroll order, banking and accounting.  SQL using ORACLE: Introduction to SQL, Components of SQL: DDL, DML & DCL, Data types in SQL, DDL Commands: Create, Alter, Drop, Truncate.  Revision and test |
| 1.12.22 to 24.12.22 | Creating queries with DDL commands and implementing constraints. DML Commands: Insert, Delete, Update, Select, Select with Group by and Order by. Creating queries with DML commands. Operators: Set and Logical, SQL functions: Numeric functions, Scalar functions and Group functions Report-Writing: Commands, advantages of Report writing  Test and Revision |

**LESSON PLAN**

**Name of Professor: Ms. Shalin Bhola Class: BCA Sem 5**

**Subject: BCA-352: Operating System-I**

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| **Month** | **Topic Covered** |
| 01.09.22 to 30.09.22 | Operating System: Definition, Characteristics, Components, Functions, Examples; Types of Operating System: Single User/Multi User, Classification of Operating System: Batch, Multiprogrammed, Timesharing, Multiprocessing, Parallel, Distributed, Real Time; System Calls and System Programs: Process Control, File Manipulation, Device Manipulation, Information Maintenance, Communications  Revision and test |
| 1.10.22 to 21.10.22 | Process Management: Process concept, Process states and Process Control Block; Process Scheduling: Scheduling Queues, Schedulers, Context Switch; Operation on Processes: Process Creation, Process Termination; Cooperating Processes, Introduction to Threads, Inter-process Communication; CPU Scheduling: Basic Concepts, Scheduling Criteria, Scheduling Algorithms: FCFS, SJF, Priority, Round-Robin, Multilevel Queue, Multilevel Feedback Queue Scheduling  Revision and test |
| 27.10.2022 to 30.11.22 | Deadlocks: System Model, Deadlock Characterization, Methods of Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection and Recovery Memory Management: Introduction, Swapping, Contiguous Allocation: Single-Partition/Multiple Partition Allocation, External/Internal Fragmentation; Paging: Basic Method, Hardware, Implementation of Page table; Segmentation: Basic Method, Hardware, Implementation of Segment Table, Advantages/Disadvantages of Paging/Segmentation  Revision and test |
| 1.12.22 to 24.12.22 | Virtual Memory: Introduction, Demand Paging, Page Replacement, Page Replacement Algorithms: FIFO, Optimal, LRU, Counting; Thrashing and its cause; File Management: File Concepts, File Attributes, File Operations, File Types, File Access/Allocation Methods, File Protection, File Test and Revision |