**LESSON PLAN EVEN SEM 2023-24**

**Name of Professor: Ms. Shalin Bhola Class: M.Com sem 4**

**Subject: MC 401 IT and E Commerce(1-4)**

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| **Month** | **Topic Covered** |
| 01.01.24 to 31.01.24 | Introduction to E-commerce: Meaning of electronic commerce, business applications of e-commerce, comparison with traditional commerce; Business models in E-commerce – e-shops, e-procurement, e-auctions, value chain integrators, information brokerage, telecommunication, collaboration platforms, etc  Revision and test |
| 1.02.24 to 29.02.24 | Electronic payment system; E-Banking – concept, operations. Online fund transfer – RTGC, ATM, etc., Online share market operations.  Online marketing, Web-based advertising – concept, advantages; Types of online advertisements  Revision and test |
| 1.03.2024 to 22.03.24 | Search engine – as an advertising media, search engine optimisation – concept and techniques; Email marketing; Social Networking and marketing – promotion, opinion formulation, etc.; Viral Marketing, E-retailing-concept, advantages, limitations; CRM and Information Technology, Tools to conducting online research – secondary research, online focus groups, web based surveys, data mining from social networking sites  Revision and test |
| 1.04.24 to 30.04.24 | Cloud computing – Concept, uses in business; Enterprise Resource Planning; Security issues in e-commerce - Online frauds, Privacy issues; Cyber laws including Information Technology Act.  Test and Revision |

**LESSON PLAN EVEN SEM 2023-24**

**Name of Professor: Ms. Shalin Bhola**

**Class: B.Sc. Computer Sc. Sem 6 (5-6)**

**Subject: Paper II Computer Networks**

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| **Month** | **Topic Covered** |
| 01.01.24 to 31.01.24 | Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies; Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways; Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services; OSI Reference Model; TCP/IP Model  Revision and test |
| 1.02.24 to 29.02.24 | Analog and Digital Communications Concepts: Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate; Guided and Wireless Transmission Media; Communication Satellites; Switching and Multiplexing; Modems and modulation techniques  Data Link Layer Design issues; Error Detection and Correction methods  Revision and test |
| 1.03.2024 to 22.03.24 | Sliding Window Protocols: One-bit, Go Back N and Selective Repeat; Media Access Control: ALOHA, Slotted ALOHA, CSMA, Collision free protocols; Introduction to LAN technologies: Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring; Introduction to Wireless LANs and Bluetooth  Revision and test |
| 1.04.24 to 30.04.24 | Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing, Hierarchical Routing; Congestion Control; Traffic shaping; Choke packets; Load shedding; Application Layer: Introduction to DNS, E-Mail and WWW services; Network Security Issues: Security attacks; Encryption methods; Firewalls; Digital Signatures  Test and Revision |

**LESSON PLAN EVEN SEM 2023-24**

**Name of Professor: Ms. Shalin Bhola Class: BA Hons English sem 2**

**Subject: B23-CSE-201 Web Development**

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| **Month** | **Topic Covered** |
| 01.01.24 to 31.01.24 | Introduction to Internet and World Wide Web (WWW); Evolution and History of World Wide Web, Web Pages and Contents, Web Clients, Web Servers, Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines and Search Tools.  Web Publishing: Hosting website; Internet Service Provider; Planning and designing website; Web Graphics Design, Steps For Developing website |
| 1.02.24 to 29.02.24 | Creating a Website and Introduction to Markup Languages (HTML and DHTML), HTML Document Features & Fundamentals, HTML Elements, Creating Links; Headers; Text styles; Text Structuring; Text colour and Background; Formatting text; Page layouts, Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts; Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes, HTML5. |
| 1.03.2024 to 22.03.24 | Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types, Style Sheets and HTML, Style Rule Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3. |
| 1.04.24 to 30.04.24 | The Nature of JavaScript: Evolution of Scripting Languages, JavaScript-Definition, Programming for Non-Programmers, Introduction to Client–Side Programming, Enhancing HTML Documents with JavaScript. Static and Dynamic web pages |