**LESSON PLAN EVEN SEM 2022-23**

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

**Subject: MC 401 IT and E Commerce**

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| **Month** | **Topic Covered** |
| 27.01.23 to 28.02.23 | 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 |
| 1.03.23 to 31.03.23 | 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 |
| 1.04.2023 to 30.04.23 | 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 |
| 1.05.22 to 26.05.22 | 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**

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

**Class: B.Sc. Computer Sc. Sem 6 (4-6)**

**Subject: Paper II Computer Networks**

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| **Month** | **Topic Covered** |
| 27.01.23 to 28.02.23 | 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 |
| 1.03.23 to 31.03.23 | 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 |
| 1.04.2023 to 30.04.23 | 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 |
| 1.05.22 to 26.05.22 | 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**

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

**Subject: BCA-243 E Commerce**

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| **Month** | **Topic Covered** |
| 27.01.23 to 28.02.23 | Introduction to E-Commerce:-Business operations; E-commerce practices vs. traditional business practices; concepts of b2b, b2c,c2c,b2g,g2h,g2c; Features of E-Commerce,Types of Ecommerce Systems, Elements of E-Commerce, principles of E-Commerce, Benefits and Limitations of Ecommerce.Management Issues relating to e-commerce. Operations of E-commerce: Credit card transaction; Secure Hypertext Transfer Protocol (SHTP); Electronic payment systems; Secure electronic transaction (SET); SET`s encryption; Process; Cybercash; Smart cards;Indian payment models. |
| 1.03.23 to 31.03.23 | Applications in governance: EDI in governance; E-government; EGovernance, applications of Internet; concept of government –to- business, business-to-government and citizen-to-government; E-governance models; Private sector interface in Egovernance, Applications in B2C: Consumers shopping procedure on the Internet; Impact on disinter mediation and re-intermediation; Global market; Strategy of traditional department stores. |
| 1.04.2023 to 30.04.23 | Products in b2c model; success factors of e-brokers; Broker-based services on-line; Online ravel tourism services; Benefits and impact of e-commerce on travel industry; Deal estate market; online stock trading and its benefits; Online banking and its benefits; Online financial services and their future; E-auctions – benefits, implementation and impact |
| 1.05.22 to 26.05.22 | Applications in B2B: Key technologies for b2b; architectural models of b2b, characteristics of the supplier –oriented marketplace, buyer-oriented marketplace and intermediary-oriented marketplace; Just In Time delivery in b2b; Internet-based EDI from traditional EDI; Marketing Issues in b2b. Emerging Business models: Retail model; Media model; advisory model, made-to-order manufacturing model; Do-it- yourself model; Information service model; Emerging hybrid models; Emerging models in India, Internet & E-Commerce scenario in India; Internet security Issues; Legal aspects of E-commerce |