Information system for Business (MCA-E8)
Block-I

Unit-1
Introduction, Information Systems, The Components of Information Systems, The Role of Information Systems.

Unit- 2
Hardware , Digital Devices, Processing Data: The, CPU, Moore's Law, Motherboard, Random-Access Memory, Hard Disk, Solid-State Drives, Removable Media, Network Connection, Input and Output, Bluetooth, Input Devices, Output Devices, Other Computing Devices,
Portable Computers.

Unit 3
Software, Types of Software, Operating Systems, Application Software, Mobile Applications, Cloud Computing, Advantages of Cloud Computing, Disadvantages of Cloud Computing , Open-Source Software.

Unit-4
Data and Databases, Data, Information, and Knowledge, Databases, Relational Databases, Normalization Data Types, Structured Query Language, Other Types of Databases, Database Management Systems, Enterprise Databases, Big Data, Data Warehouse, Benefits of Data Warehouses, Data Mining.

Unit 5
Networking and Communication, A Brief History of the Internet, The Internet and the World Wide Web, The Dot-Com Bubble, Web 2.0, The Growth of Broadband, Wireless Networking, Mobile Network, Bluetooth, Organizational Networking, Cloud Computing .

Unit   6
Information Systems Security, The Information Security Triad: Confidentiality, Integrity, Availability (CIA), Tools for Information Security, Encryption, Backups , Intrusion Detection Systems, Information

Physical Security, Security Policies, Usability, Personal Information Security

Block-II

Unit-7
Does IT Matter, The Productivity Paradox, Competitive Advantage, The Value Chain, Porter's Five Forces, Using Information Systems for Competitive Advantage, Business Process Management Systems Electronic Data Interchange, Collaborative Systems, Decision Support Systems, Investing in IT for Competitive Advantage.

Unit 8
Business Processes, What Is a Business Process?, Documenting a Process, Information System for , Managing Business Process Documentation, ERP Systems, Business Process Management, Business Process Reengineering, ISO.

Unit 9
The People in Information Systems, The Creators of Information Systems, Systems Analyst, Programmer, Computer Engineer, Information-Systems Operations and Administration, Computer Operator, Database Administrator, Help-Desk/Support Analyst, Trainer, Managing Information Systems, CIO, Functional Manager, ERP Management, Project Managers, Information-Security Officer, Emerging Roles, Career Paths in Information Systems, Organizing the Information-Systems Function, Information-Systems Users – Types of Users

Unit-10
Information Systems Development, Systems-Development Life Cycle, Rapid Application Development , Agile Methodologies, Lean Methodology, Programming Languages, Generations of Programming Languages, Compiled vs. Interpreted , Procedural vs. Object-Oriented, Programming Tools, Web Services, End-User Computing, Implementation Methodologies

Block-III

Unit-11
Globalization and the Digital Divide, What Is Globalization?, The Network Society, The Global Firm, The Digital Divide, A New Understanding of the Digital Divide .

Unit 12
The Ethical and Legal Implications of Information Systems, Information Systems Ethics, Code of Ethics, Intellectual Property, Copyright, The Digital Millennium Copyright Act, Patent, Trademark, Information Systems and Intellectual Property, Personally Identifiable Information, Non-Obvious Relationship Awareness.

Unit 13
Future Trends in Information Systems, Global, Social, Personal, Mobile, Wearable, Collaborative, Printable, Findable, Autonomous.

The contents of the syllabus available at

https://uou.ac.in/sites/default/files/slm/MCS-406.pdf