

Lesson Plan July-Dec 2018

Name: Arti

Class: BCA 5thSem

Subject: MANAGEMENT INFORMATION SYSTEM

Paper Code: BCA – 301

Month	Syllabus to be covered
13 July to 21 July	Unit-I : Unit-I: Introduction to system and Basic System Concepts, Types of Systems, The Systems Approach, Information System: Definition & Characteristics
23 July to 28 July	Types of information, Role of Information in Decision-Making
30 July to 4 Aug	Sub-Systems of an Information system
6 Aug to 11 Aug	management levels, EDP/MIS/DSS. Unit-2 An overview of Management Information System: Definition & Characteristics, Components of MIS
13 Aug to 18 Aug	Frame Work for Understanding MIS: Information requirements & Levels of Management.
20 Aug to 25 Aug	Simon's Model of decision-Making, Structured Vs Un-structured Assignment-1
27 Aug to 1 Sep	Formal vs. Informal system
3 Sep to 8 Sep	Unit-3: Developing Information Systems Test 1: Unit 1 and 2
10 Sep to 15 Sep	Analysis & Design of Information Systems
17 Sep to 22 Sep	Implementation & Evaluation
24 Sep to 29 Sep	Pitfalls in MIS Development.. Unit-4: Functional MIS. Assignment 2
1 Oct to 6 Oct	A Study of Personnel, Financial and production MIS
8 Oct to 13 Oct	A Study of Personnel, Financial and production MIS
15 Oct to 20 Oct	ecommerce – technologies, applications, Decision support systems
22 Oct to 27 Oct	support systems for planning , control and decision-making
29 Oct to 3 Nov & 5 Nov	Revision Test 2-Unit 3 and 4
6 Nov to 13 Nov	Vacations

Lesson Plan July-Dec 2018

Name: Arti

Class: BSC COMP. SC. 3rdSem

Subject: Data Communication and Networking, Object-Oriented Design and C++

Paper Code: 3.1 & -3.2

Month	Syllabus to be covered
13 July to 21 July	Unit-I : Introduction to Computer Communications and Networking Technologies; Uses of Computer Networks; Network Devices, Nodes, and Hosts; Types of Computer Networks and their Topologies; Network Architecture
23 July to 28 July	OSI Reference Model, TCP/IP reference model
30 July to 4 Aug	UNIT-II Analog and Digital Communications: Concept of data, signal, channel, bit-rate, maximum data-rate of channel, Representing Data as Analog Signals, Representing Data as Digital Signals, Data Rate and Bandwidth, Capacity, Baud Rate;
6 Aug to 11 Aug	Asynchronous and synchronous transmission, data encoding techniques, Modulation techniques, Digital Carrier Systems; Guided and Wireless Transmission Media; Communication Satellites; Switching and Multiplexing; Dialup Networking; Analog Modem Concepts Assignment 1
13 Aug to 18 Aug	UNIT-III Data Link Layer: Framing, Flow Control, Error Control; Error Detection and Correction; Media Access Control: Random Access Protocols, Token Passing Protocols
20 Aug to 25 Aug	Token Ring; Introduction to Ethernet, FDDI, Wireless LANs. Network Layer and Routing Concepts: Virtual Circuits and Datagram's; Routing Algorithms Assignment-2
27 Aug to 1 Sep	Flooding, Shortest Path Routing, Distance Vector Routing; Internetworking
3 Sep to 8 Sep	UNIT-IV Transport layer: Elements of Transport protocol: Addressing, Connection Establishment, Flow Control, Buffering, Crash recovery. Test 1: Unit 1 and 2
10 Sep to 15 Sep	Internet Transport protocol: UDP: Introduction, Real time Transport protocol, Remote Procedure Call. Application Layer: Domain Name System, Electronic Mail, World Wide Web. Test 1: Unit 3 and 4
17 Sep to 22 Sep	Paper 2 Unit-I Object oriented concepts: Class, Object, Methods, Message Passing, Abstraction, Inheritance, Polymorphism, Generosity, Overriding, Abstract Class & methods
24 Sep to 29 Sep	Generalization, Aggregation, Associations. Object modeling techniques: Introduction to object model, Dynamic model, Functional Model. Strengths & Weakness of all models.. Assignment 2
1 Oct to 6 Oct	Unit-II Introduction to Programming C++: Object-Oriented

	Features of C++, data types in C++, variables, operators, flow control, recursion, array, Pointers and their manipulation
8 Oct to 13 Oct	strings, structures, Class and Objects, Data Hiding & Encapsulation, Data members and Member functions, Inline Functions, Static Data Members and Member Functions, Friend Functions, Preprocessor Directives, Namespace, Comparing C with C++.
15 Oct to 20 Oct	Unit-III Constructors & Destructors: Roles and types of Constructors, Constructor Overloading, Roles of Destructors, Dynamic Memory Allocation: Pointers and their Manipulation
22 Oct to 27 Oct	new and delete Operators 'this' Pointer. Console I/O: Formatted and Unformatted I/O, Manipulators. Unit-IV Compile-Time Polymorphism: Unary and Binary Operators overloading through Member Functions and Friend Functions, Function Overloading, virtual functions, abstract class
29 Oct to 3 Nov & 5 Nov	virtual class Inheritance: Types of Derivations, Forms of Inheritance, Roles of Constructors and Destructors in Inheritance. Test 2-Unit 3 and 4
6 Nov to 13 Nov	Vacations

