

Lesson Plan July 2018

Name: Namita

Class: BCA 3rd Sem

Subject: Introduction to Operating System

Paper Code: PAPER CODE- BC2001

Month	Syllabus to be covered
13 July to 21 July	Unit-I: Fundamentals of Operating system: Introduction to Operating System, its need and operating System services
23 July to 28 July	Early systems ,Structures - Simple Batch, Multi programmed, Timeshared, Personal Computer, Parallel
30 July to 4 Aug	Distributed Systems, Real-Time Systems. Process Management: Process concept, Operation on processes
6 Aug to 11 Aug	Cooperating Processes, Threads, and Interprocess Communication. Unit-2: CPU Scheduling: Basic concepts
13 Aug to 18 Aug	Scheduling criteria, Scheduling algorithms: FCFS, SJF
20 Aug to 25 Aug	Round Robin & Queue Algorithms. Assignment-1 Test-1
27 Aug to 1 Sep	Deadlocks: Deadlock characterization, Methods for handling deadlocks, Banker's Algorithm.
3 Sep to 8 Sep	Unit-3: Memory Management: Logical versus Physical address space,
10 Sep to 15 Sep	Swapping, Contiguous allocation, Paging, Segmentation. Test based on Unit 1 and Unit 2.
17 Sep to 22 Sep	Virtual Memory: Demand paging, Performance of demand paging,
24 Sep to 29 Sep	Page replacement, Page replacement algorithms, Thrashing. Unit-4: File management: File system Structure,
1 Oct to 6 Oct	Allocation methods: Contiguous allocation, Linked allocation, Test based on Unit 3.
8 Oct to 13 Oct	Indexed allocation, Free space management: Bit vector,
15 Oct to 20 Oct	Linked list, Grouping, Counting.
22 Oct to 27 Oct	Device Management: Disk structure, Disk scheduling: FCFS, SSTF
29 Oct to 3 Nov & 5 Nov	SCAN, C-SCAN, LOOK, C-LOOK. Assignment -2, Test of complete Syllabus
6 Nov to 13 Nov	Vacations

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Name: Namita

Class: MCA 5th Sem

Subject: ADVANCED TECHNOLOGY

Paper Code: 18MCA35C1

Month	Syllabus to be covered
1 Aug to 4 Aug	Unit -1 Introduction to .Net Framework: Microsoft .net Platform, Design Goals and Overview, .net architecture
6 Aug to 11 Aug	Console, environment, IL, JIT, .NET framework class library, Common language runtime, CLR Execution
13 Aug to 18 Aug	Common type system, common language specification, managed and unmanaged code Test -1
20 Aug to 25 Aug	Unit-2: Introduction to VB.Net: .Net features, Data Types, OOPS Concepts: Constructor, Destructor, and Abstraction
27 Aug to 1 Sep	Interface, polymorphism (Over loading and over ridding). Introduction to C#: Data Types, Operators
3 Sep to 8 Sep	Garbage Collection, Jagged Array, Collection (Array list, Hash table), Indexer(One Dimension) and property
10 Sep to 15 Sep	Delegates and events (Multicasting, Multicasting Event), Exception Handling. Assignment-1 Test-2
17 Sep to 22 Sep	Unit-3: Introduction to ADO.Net : Basic window control, Architecture of ADO.Net, Comparison with ADO
24 Sep to 29 Sep	Connected and Disconnected Database, Create Connection using ADO.NET Object Model, Connection Class,
1 Oct to 6 Oct	.Net Data provider, Data Adapter, Data Set, Data Row, Data Column, Data Relation, command, Data Reader, Language integrated query(LINQ).
8 Oct to 13 Oct	Database Accessing on Web applications: Data Binding concept with web, Creating Data Grid, Data binding with windows forms,
15 Oct to 20 Oct	Binding standard web server controls, Display data on web form using Data bound controls and Data Grid.
22 Oct to 27 Oct	Unit-4: Introduction to ASP.Net: Features, Anatomy of ASP.NET Page. ASP.NET Controls: Using HTML Controls, Using Web Controls, Using Validation controls. State Management: session, caching
29 Oct to 3 Nov & 5 Nov	Authentication (window, .Net Passport, Forms Based), Authorization, web services, Advance Grid Manipulation, Data connectivity using ASP.net.) Test(Complete Syllabus) Assignment -2
6 Nov to 13 Nov	Vacations