

Lesson Plan

Name of the Assistant/ Associate Professor :- Mrs. Anuradha

Class and Section:-M.sc. 2nd

Subject:- Java Programming (M.sc. 401)

Week	Date	Topics
1	6-Jan-18	Introduction: Java History
	7-Jan-18	Sunday
2	8-Jan-18	Java and Internet
	9-Jan-18	Java and World Wide Web
	10-Jan-18	Java program structures and Java Tokens
	11-Jan-18	Java Virtual Machine and Data Types
	12-Jan-18	Revision
	13-Jan-18	Test
	14-Jan-18	Sunday
3	15-Jan-18	Operators and Expressions
	16-Jan-18	Decision Making and Branching
	17-Jan-18	Looping Classes and Methods
	18-Jan-18	Revision
	19-Jan-18	Test
	20-Jan-18	Assignment
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Inheritance: Using Existing Classes
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Class Inheritance, Choosing Base Class
	26-Jan-18	Republic Day
	27-Jan-18	Access Attributes & Types of Inheritance
	28-Jan-18	Sunday
5	29-Jan-18	Abstract Classes & Using Final Modifier
	30-Jan-18	Revision
	31-Jan-18	Guru Ravidas Jayanti

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Subject:- Java Programming (M.sc. 401)

Week	Date	Topics
1	1-Feb-18	Polymorphism: Types of Polymorphism
	2-Feb-18	Packages & Interfaces: Understanding Packages
	3-Feb-18	Defining a Package
	4-Feb-18	Sunday
2	5-Feb-18	Revision
	6-Feb-18	Test
	7-Feb-18	Packaging up your class
	8-Feb-18	Assignment
	9-Feb-18	Revision
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Test
	13-Feb-18	Maha Shivratri
	14-Feb-18	Adding Classes from a Package to Your Program
	15-Feb-18	Understanding CLASSPATH
	16-Feb-18	Revision
	17-Feb-18	Assignment
	18-Feb-18	Sunday
4	19-Feb-18	Test
	20-Feb-18	Access Protection in Packages
	21-Feb-18	Concepts of Interface
	22-Feb-18	Exception Handling : Types of Exception
	23-Feb-18	Revision
	24-Feb-18	Dealing with Exceptions
	25-Feb-18	Sunday
5	26-Feb-18	Exception Objects
	27-Feb-18	Revision
	28-Feb-18	Vacations-II (Holi vacation)

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Week	Date	Topics
1	1-Mar-18	Vacations-II (Holi vacation)
	2-Mar-18	Vacations-II (Holi vacation)
	3-Mar-18	Vacations-II (Holi vacation)
	4-Mar-18	Vacations-II (Holi vacation)
2	5-Mar-18	Multithreading Programming: Understanding Threads
	6-Mar-18	The Main Thread
	7-Mar-18	Creating a Thread
	8-Mar-18	Creating Multiple Thread
	9-Mar-18	Thread Priorities & Synchronization
	10-Mar-18	Revision
	11-Mar-18	Sunday
3	12-Mar-18	Test
	13-Mar-18	DeadLocks Inter-thread communication
	14-Mar-18	Input /Output in Java
	15-Mar-18	Byte and Character Structures
	16-Mar-18	I/O classes, Reading Console
	17-Mar-18	Creating Applets in Java :Applets Basics
	18-Mar-18	Sunday
4	19-Mar-18	Applet Architecture
	20-Mar-18	Applet Life Cycle
	21-Mar-18	Simple Applet Display Methods
	22-Mar-18	Revision
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Test
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Requesting Repainting , Using The Status Window
	27-Mar-18	The HTML AAPLET Tag
	28-Mar-18	Passing Parameters to Applets
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Assignment
	31-Mar-18	Test

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1	1-Apr-18	Sunday
	2-Apr-18	AWT: Working with AWT controls
	3-Apr-18	AWT Classes
	4-Apr-18	Window Fundamentals
	5-Apr-18	Working with Frame
	6-Apr-18	Revision
	7-Apr-18	Problem solving
	8-Apr-18	Sunday
2	9-Apr-18	Test
	10-Apr-18	Creating a Frame Window in an APPLET
	11-Apr-18	Displaying Information Within a Window
	12-Apr-18	Assignment
	13-Apr-18	Revision
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
	3	16-Apr-18
17-Apr-18		Working With Graphs : Working With Graphics
18-Apr-18		Parashurama Jayanti
19-Apr-18		Working with Color , setting the paint mode
20-Apr-18		Working with Fonts
21-Apr-18		Revision
22-Apr-18		Sunday
4		23-Apr-18
	24-Apr-18	Exploring Text and Graphics
	25-Apr-18	Revision
	26-Apr-18	Layout Managers and Menus
	27-Apr-18	Revision
	28-Apr-18	Test

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	17-Jan-18	Looping Classes and Methods
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	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
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	24-Jan-18	Sir Chhotu Ram Jayanti
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	6-Feb-18	Test
	7-Feb-18	Packaging up your class
	8-Feb-18	Assignment
	9-Feb-18	Revision
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Test
	13-Feb-18	Maha Shivratri
	14-Feb-18	Adding Classes from a Package to Your Program
	15-Feb-18	Understanding CLASSPATH
	16-Feb-18	Revision
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	18-Feb-18	Sunday
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	23-Feb-18	Revision
	24-Feb-18	Dealing with Exceptions
	25-Feb-18	Sunday
5	26-Feb-18	Exception Objects
	27-Feb-18	Revision
	28-Feb-18	Vacations-II (Holi vacation)

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	4-Mar-18	Vacations-II (Holi vacation)
2	5-Mar-18	Multithreading Programming: Understanding Threads
	6-Mar-18	The Main Thread
	7-Mar-18	Creating a Thread
	8-Mar-18	Creating Multiple Thread
	9-Mar-18	Thread Priorities & Synchronization
	10-Mar-18	Revision
	11-Mar-18	Sunday
3	12-Mar-18	Test
	13-Mar-18	DeadLocks Inter-thread communication
	14-Mar-18	Input /Output in Java
	15-Mar-18	Byte and Character Structures
	16-Mar-18	I/O classes, Reading Console
	17-Mar-18	Creating Applets in Java :Applets Basics
	18-Mar-18	Sunday
4	19-Mar-18	Applet Architecture
	20-Mar-18	Applet Life Cycle
	21-Mar-18	Simple Applet Display Methods
	22-Mar-18	Revision
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Test
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Requesting Repainting , Using The Status Window
	27-Mar-18	The HTML AAPLET Tag
	28-Mar-18	Passing Parameters to Applets
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Assignment
	31-Mar-18	Test

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	5-Apr-18	Working with Frame
	6-Apr-18	Revision
	7-Apr-18	Problem solving
	8-Apr-18	Sunday
2	9-Apr-18	Test
	10-Apr-18	Creating a Frame Window in an APPLET
	11-Apr-18	Displaying Information Within a Window
	12-Apr-18	Assignment
	13-Apr-18	Revision
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Test
	17-Apr-18	Working With Graphs : Working With Graphics
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Working with Color , setting the paint mode
	20-Apr-18	Working with Fonts
	21-Apr-18	Revision
	22-Apr-18	Sunday
4	23-Apr-18	Test
	24-Apr-18	Exploring Text and Graphics
	25-Apr-18	Revision
	26-Apr-18	Layout Managers and Menus
	27-Apr-18	Revision
	28-Apr-18	Test

Lesson Plan

Name of the Assistant/ Associate Professor :- Ms. Alisha

Class and Section:- M.sc. -2nd

Subject:- Analysis and Design Of Algorithm (M.Sc. 402 (ii))

Week	Date	Topics
1	6-Jan-18	Sets
	7-Jan-18	Sunday
2	8-Jan-18	Disjoint Sets
	9-Jan-18	Union
	10-Jan-18	Sorting and Searching Algorithms and their analysis in terms of space and time complexity
	11-Jan-18	Revision
	12-Jan-18	Problem Solving
	13-Jan-18	Test
	14-Jan-18	Sunday
3	15-Jan-18	Divide and conquer ;General Methods
	16-Jan-18	Revision
	17-Jan-18	Assignment
	18-Jan-18	Binary Search
	19-Jan-18	Merge Sort
	20-Jan-18	Revision
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Test
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Quick Sort & Selection sort
	26-Jan-18	Republic Day
	27-Jan-18	Strassen's matrix multiplication algorithms and analysis of algorithm for these problems
	28-Jan-18	Sunday
5	29-Jan-18	Revision
	30-Jan-18	Test
	31-Jan-18	Guru Ravidas Jayanti

Lesson Plan

Name of the Assistant/ Associate Professor :- Ms. Alisha

Class and Section:- M.sc. -2nd

Subject:- Analysis and Design Of Algorithm (M.Sc. 402 (ii))

Week	Date	Topics
1	1-Feb-18	Greedy Method : General methods
	2-Feb-18	Knapsack problem
	3-Feb-18	Job sequencing and deadlines
	4-Feb-18	Sunday
2	5-Feb-18	Revision
	6-Feb-18	Test
	7-Feb-18	Minimum spanning tress
	8-Feb-18	Prim's and Kruskal 's Algorithms
	9-Feb-18	Revision
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Test
	13-Feb-18	Maha Shivratri
	14-Feb-18	Single source paths- Dijkstra algorithms and analysis of these problems
	15-Feb-18	Assignment
	16-Feb-18	Dynamic Programming :General method
	17-Feb-18	Revision
	18-Feb-18	Sunday
4	19-Feb-18	Optimal Binary Search Tree
	20-Feb-18	0/1 Knapsack
	21-Feb-18	Revision
	22-Feb-18	Problem solving
	23-Feb-18	Assignment
	24-Feb-18	Traveling Salesperson Problems
	25-Feb-18	Sunday
5	26-Feb-18	Revision
	27-Feb-18	Test
	28-Feb-18	Vacations-II (Holi vacation)

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Name of the Assistant/ Associate Professor :- Ms. Alisha

Class and Section:- M.sc. -2nd

Subject:- Analysis and Design Of Algorithm (M.Sc. 402 (ii))

Week	Date	Topics
1	1-Mar-18	Vacations-II (Holi vacation)
	2-Mar-18	Vacations-II (Holi vacation)
	3-Mar-18	Vacations-II (Holi vacation)
	4-Mar-18	Vacations-II (Holi vacation)
2	5-Mar-18	Back Tracing
	6-Mar-18	General Method of Back Tracing
	7-Mar-18	8 Queen's Problem
	8-Mar-18	Revision
	9-Mar-18	Problem solving
	10-Mar-18	Assignment
	11-Mar-18	Sunday
3	12-Mar-18	Test
	13-Mar-18	Graph Coloring
	14-Mar-18	Hamiltonian cycles and analysis of these problems
	15-Mar-18	Revision
	16-Mar-18	Test
	17-Mar-18	Branch and Bound
	18-Mar-18	Sunday
4	19-Mar-18	Methods of Branch and Bound
	20-Mar-18	0/1 Knapsack
	21-Mar-18	Traveling Salesperson Problem
	22-Mar-18	Revision
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Test
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Assignment
	27-Mar-18	Problem Solving
	28-Mar-18	Efficiency considerations
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Revision
	31-Mar-18	Test

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Name of the Assistant/ Associate Professor :- Ms. Alisha

Class and Section:- M.sc. -2nd

Subject:- Analysis and Design Of Algorithm (M.Sc. 402 (ii))

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	NP Hard and NP Complete Problems
	3-Apr-18	Basics Concepts
	4-Apr-18	Revision
	5-Apr-18	Test
	6-Apr-18	Cooks's Theorem
	7-Apr-18	Revision
	8-Apr-18	Sunday
2	9-Apr-18	Test
	10-Apr-18	NP hard graph
	11-Apr-18	NP scheduling problems some simplified NP hard Problems
	12-Apr-18	Revision
	13-Apr-18	Problem solving
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Test
	17-Apr-18	Assignment
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Advanced data structure
	20-Apr-18	Revision
	21-Apr-18	Red –Black trees
	22-Apr-18	Sunday
4	23-Apr-18	Revision
	24-Apr-18	Problem Solving
	25-Apr-18	B-trees
	26-Apr-18	Fibonacci Heaps
	27-Apr-18	Revision
	28-Apr-18	Test

Lesson Plan

Name of the Assistant/ Associate Professor :- MRS.KAVITA

Class and Section:- M.sc. -2nd

Subject:- WEB DESIGN (M.Sc. 403)

Week	Date	Topics
1	6-Jan-18	Introduction to internet
	7-Jan-18	Sunday
2	8-Jan-18	Evolution to internet
	9-Jan-18	Types of computer network : LAN , WAN , MAN
	10-Jan-18	Internet protocol and internet services
	11-Jan-18	Test
	12-Jan-18	WWW and working of internet
	13-Jan-18	Introduction to intranet and DNS working
	14-Jan-18	Sunday
3	15-Jan-18	Revision
	16-Jan-18	Configuring internet connection and internet connection concept
	17-Jan-18	Connecting LAN to internet
	18-Jan-18	Test
	19-Jan-18	Client –server environment : single user ,multi user
	20-Jan-18	Server and workstation & computer networks
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Network topology and network protocol & e-mail concept s
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Configuring e-mail program , sending and receiving files through e-mail and fighting spam
	26-Jan-18	Republic Day
	27-Jan-18	Sorting spam , E-Mail mailing lists and avoiding E-mail viruses
	28-Jan-18	Sunday
5	29-Jan-18	Revision
	30-Jan-18	Test
	31-Jan-18	Guru Ravidas Jayanti

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Name of the Assistant/ Associate Professor :- MRS.KAVITA

Class and Section:- M.sc. -2nd

Subject:- WEB DESIGN (M.Sc. 403)

Week	Date	Topics
1	1-Feb-18	Popular web server and web browser
	2-Feb-18	Basics features of web browser and bookmark
	3-Feb-18	Coolies , progress indicators ,customization of browser
	4-Feb-18	Sunday
2	5-Feb-18	Browsing tricks
	6-Feb-18	Test
	7-Feb-18	Revision
	8-Feb-18	Test
	9-Feb-18	Next generation web browsing and search engines
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	HTTP & URL
	13-Feb-18	Maha Shivratri
	14-Feb-18	Online chatting ,messaging and conferencing concept
	15-Feb-18	Usenet newsgroup concept
	16-Feb-18	Reading usenet newsgroup and instant messaging
	17-Feb-18	Test
	18-Feb-18	Sunday
4	19-Feb-18	Web based chat rooms and discussion boards
	20-Feb-18	Voice and video conferencing ,streamlining browsing
	21-Feb-18	Keeping track of favourite web sites
	22-Feb-18	Test
	23-Feb-18	Web security
	24-Feb-18	Privacy
	25-Feb-18	Sunday
5	26-Feb-18	Site blocking
	27-Feb-18	Test
	28-Feb-18	Vacations-II (Holi vacation)

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Subject:- WEB DESIGN (M.Sc. 403)

Week	Date	Topics
1	1-Mar-18	Vacations-II (Holi vacation)
	2-Mar-18	Vacations-II (Holi vacation)
	3-Mar-18	Vacations-II (Holi vacation)
	4-Mar-18	Vacations-II (Holi vacation)
2	5-Mar-18	Understanding HTML
	6-Mar-18	XHTML syntax and semantics
	7-Mar-18	HTML element : paragraph ,list ,tables ,images
	8-Mar-18	Frames ,forms ,linking to other web page
	9-Mar-18	External and internal linking , E-mail linking
	10-Mar-18	Test
	11-Mar-18	Sunday
3	12-Mar-18	Revision
	13-Mar-18	Test
	14-Mar-18	Working with background colours and image
	15-Mar-18	Marquee
	16-Mar-18	Text alignment
	17-Mar-18	Test
	18-Mar-18	Sunday
4	19-Mar-18	Text formatting
	20-Mar-18	Advanced layout with tables
	21-Mar-18	Test
	22-Mar-18	Revision
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Publishing
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Test
	27-Mar-18	Revision
	28-Mar-18	Assignment
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Test
	31-Mar-18	Test

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1	1-Apr-18	Sunday
	2-Apr-18	Introduction to CSS
	3-Apr-18	Inline , internal and external CSS
	4-Apr-18	Linking CSS to web pages
	5-Apr-18	Test
	6-Apr-18	Revision
	7-Apr-18	Test
	8-Apr-18	Sunday
2	9-Apr-18	Introduction to java script
	10-Apr-18	Basics syntax ,variables and data types
	11-Apr-18	Test
	12-Apr-18	Statement , operator and literals
	13-Apr-18	Function ,objects and arrays
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
	3	16-Apr-18
17-Apr-18		Assignment
18-Apr-18		Parashurama Jayanti
19-Apr-18		Relation between XML and HTML
20-Apr-18		Goals of XML ,structure and syntax of XML
21-Apr-18		Test
22-Apr-18		Sunday
4	23-Apr-18	Well formed XML
	24-Apr-18	DTD and its structure
	25-Apr-18	Tree structure in data organization
	26-Apr-18	Searching with XPath
	27-Apr-18	Revision
	28-Apr-18	Test

