ACADEMIC PLANNING

Name of Course : Msc(CA & IT) –II and M.C.A-II(Integrated)	Subject : 201- Mathematics-II
Name of Teacher : Ranna Patel	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	**(unit–1) Differentiation**: Definition of Derivative, Rules of derivative (without proof), Derivative Of some standard function polynomials		
		Derivative Of some standard function polynomials		
	II	Implicit, Exponential, Logarithmic function		
		Trigonometric function, High order of derivative.		
	III	**Integral Calculus**: Infinite integral as anti derivative		
		Infinite integral as standard integral		
	IV	Basic rules of Integration.		
		Integration by parts.		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	**(unit-2) Differential Equation:** Family of curves leading to differential equation and conversely its Solution leading to a family of curve.		
		Internal Evaluation (Test-1)		
	II	Definition of order and degrees Of a Differential equation. Solution of first order and first degree Differential equation by 1. separable variable method		
		2. Homogeneous equation 3. Linear equation		
	III	**Co – Ordinate Geometry:** Introduction , Quadrants and co-ordinates , distance between two Points		
		Section Formula , Area of a Triangle , Co linearity of three Points		
	IV	Equations of a straight line , General Equation of a straight Line		
		Angle between two straight line (without proof).		

Month	Week	Teaching Plan	Remarks	Sign
March	I	**Graph Theory and Trees:** Definition of graph, Isomorphism complete graph, Empty graph		
		Degree of a vertex, The first theorem of graph theory (without proof),		
	II	Sub graph, complete graph, k- Regular graph		
		Graph operations(union (u), Intersection (G), Ring Sum E)		
	III	Complement of a graph, Walk, path		
		Simple concept of following:- connected components, Cycle , Trees , Binary trees.		
	IV	**Boolean Algebra:** Introduction , Basic Definitions		
		Duality ,Basic Theorem , Boolean Algebra and lattice		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Representation of Theorem		
		Sum-of-product Form for sets , sum-of-product form for Boolean Algebra.		
	II	Paper solution		
		Internal Evaluation (Test-2)		

Name of Course : M.Sc.(CA & IT)-II	Subject : 202 : Financial Accounting & Management
Name of Teacher : D.G.Prajapati	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Definition, Characteristics, Objective of Accounting, Advantages of Book Keeping		
		Double Entry System of Accounting, Introduction of Basic Books of Accounting		
	II	Subsidiary Books of Accounts		
		Closing Books of accounts and Preparation of Trial Balance		
	III	Preparation of Final Accounts (Sole Proprietary)		
		Preparation of Final Accounts (Partnership Firm)		
	IV	Example, Exercises of Final Accounts		
		Internal Evaluation (Test-1)		

Month	Week	Teaching Plan	Remarks	Sign
February	I	Definition, Significance of Ratio Analysis		
		Types of Ratio-Return on Investments		
	II	Profitability Ratio, Turn Over Ratio, Limitations of Ratio		
		Example, Exercises of Ratio Analysis		
	III	Example, Exercises of Ratio Analysis		
		Meaning and Role of Financial Management		
	IV	Definition, Scope, Advantages, Limitation of Cost Accounting		
		Internal Evaluations (Test-2)		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Definition of Budgetary Control, Advantages of Budgetary Control, Problems in Budgeting		
		Budgeting Process, Preparation of Sales of Revenue Budgets		
	II	Definition and Meaning of Marginal costing, Factors of Marginal Costing, Advantages and Limitations of Marginal Costing		
		Introduction of Break-Even-Analysis, Methods of determining Break-Even-Point.		
	III	Margin of Safety, Assumption and Limitation of Break-Even Analysis and Break-Even-Charts, Cost-Volume Profit Analysis		
		Profit Volume Ratio, Impact of Selling Price, Fixed Cost and Variable Cost on Profit/Volume Ratio		
	IV	Example, Exercises of Marginal Costing		
		Example, Exercises of Marginal Costing		

April				
	I	Role of Computers in Commerce, Introduction to Accounting Packages. [e.g. Tally, E.X. Next generation], Hardware and Software requirement for Tally.		
		Features of Tally, Flow of Accounting Package Tally through Examples.		
	II	Various Phases of Accounting Cycle in Tally,		
		Tax Calculation & Tally. MIS & Tally.		
	III	Internal Evaluations (Test-3)		
		Question Paper Solutions		
	IV			

ACADEMIC PLANNING

Name of Course : Msc(CA & IT) –II and M.C.A-II(Integrated)	Subject : 203- Object Oriented Programming
Name of Teacher : Alpa Rajput	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Overview of Software crisis and evaluation, POP and OOP		
		Basic concepts of OOP and its applications		
	II	Structure of C++ program		
		Tokens, identifiers and Basic Data Types		
	III	Reference variable and scope resolution operator		
		Manipulator and Expression and Control structures		
	IV	Overview of function and function prototyping		
		Inline function and Call by value and reference in function		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Function overloading and default argument in function		
		Internal Evaluation (Test-1)		
	II	Class Structure		
		Data Member and Member Function		
	III	Static members and dereferencing operator		
		Constructor		
	IV	Destructor		
		Unary operator overloading		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Binary operator overloading		
		Type conversion		
	II	Inheritance overview and single inheritance		
		Multiple and multilevel inheritance		
	III	Other inheritance and virtual base class		
		Derived class constructor		
	IV	Pointer and pointer operation		
		Pointer to object and this pointer		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Virtual function		
		C++ stream and stream functions		
	II	File mode and operation on file		
		Internal Evaluation (Test-1)		

Name of Course : M.Sc.(CA & IT)-II	Subject : 203
Name of Teacher : A.M.Kadri	Year : 2015

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	————		
		————		
		Pr-1,Pr-2		
	II	Pr-3,Pr-4		
		Pr-5,Pr-6		
		————		
	III	Pr-7,Pr-8		
		————		
		————		
	IV	Pr-9,Pr-10		
		Pr-11,Pr-12		
		Pr-13,Pr-14		
	V	Pr-15,Pr-16		
		Pr-17,Pr-18		
		Pr-19,Pr-20		

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Month	Week	Teaching Plan	Remarks	Sign
FEB	I	----		

	II	Internal Evaluation (TEST-I)		
		Pr-21		
		Pr-22		
	III	Pr-23		
		Tally Intro.		
		Pr-24		
	IV	Pr-25		

		Tally		
	V	Pr-26		
		Tally Sum-1		
		Pr-27		

Month	Week	Teaching Plan	Remarks	Sign
March	I	----		

	II	Pr-28		
		Tally Sum-2		

	III	Pr-29		
		Tally Sum-2		
		Pr-30		
	IV	Pr-31		
		Tally Sum-3		
		Pr-32		
	V	Pr-33		

Month	Week	Teaching Plan	Remarks	Sign
April	I	----		
		Pr-34		

	II	Pr-35		
		Tally Sum-4		
		Tally Sum-5		
	III	Tally Sum-6		
		Internal Evaluation (Tally Test-1)		
		Internal Evaluation (Test -II)		
	IV	----		

	V	----		

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-II	Subject : 204– Hardware configuration and solution
Name of Teacher : T.P.Parikh	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Computer Basic		
		Various types of computer		
	II	All ports Software's Hardware		
		Introduction of operating systems		
	III	Introduction of windows vista,		
		Introduction of Windows 7, Introduction of Windows XP		
	IV	Hardware Troubleshooting Basic Maintenance journal, Working through the problem		
		Internal Evaluation (Test-1)		

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Month	Week	Teaching Plan	Remarks	Sign
February	I	Microprocessor CISC / RISC, Desktop microprocessor		
		Pentium series (P1 to Core I 7)		
	II	AMD series		
		Problem with microprocessor		
	III	Motherboard Component of motherboard		
		,Form factor		
	IV	Power & SMPS, BIOS setup		
		Internal Evaluations (Test-2)		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Beep code		
		Memory DRAM, SRAM		
	II	CHIP & Modules, Troubleshooting Memory		
		Basic Data Recovery Partitions, Master boot record, FAT/ NTFS		
	III	Restore Data, Building Pc, Equipment		
		Assembling Software application,		
	IV	I/O interfaces, I/O devices		
		Processing, Testing		

Month	Week	Teaching Plan	Remarks	Sign
April	I	--		

	II	Internal Evaluations (Test-3)		
		Question Paper Solutions		
	III			
	IV			

Name of Course : M.Sc.(CA & IT)-II	Subject : 204– Hardware configuration and solution
Name of Teacher : T.P.Parikh	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Computer Basic		
		Various types of computer		
	II	All ports Software's Hardware		
		Introduction of operating systems		
	III	Introduction of windows vista,		
		Introduction of Windows 7, Introduction of Windows XP		
	IV	Hardware Troubleshooting Basic Maintenance journal, Working through the problem		
		Internal Evaluation (Test-1)		

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Month	Week	Teaching Plan	Remarks	Sign
February	I	Microprocessor CISC / RISC, Desktop microprocessor		
		Pentium series (P1 to Core I 7)		
	II	AMD series		
		Problem with microprocessor		
	III	Motherboard Component of motherboard		
		,Form factor		
	IV	Power & SMPS, BIOS setup		
		Internal Evaluations (Test-2)		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Beep code		
		Memory DRAM, SRAM		
	II	CHIP & Modules, Troubleshooting Memory		
		Basic Data Recovery Partitions, Master boot record, FAT/ NTFS		
	III	Restore Data, Building Pc, Equipment		
		Assembling Software application,		
	IV	I/O interfaces, I/O devices		
		Processing, Testing		

Month	Week	Teaching Plan	Remarks	Sign
April	I	--		

	II	Internal Evaluations (Test-3)		
		Question Paper Solutions		
	III			
	IV			

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ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT) –II and M.C.A-II(Integrated)	Subject : 205: Introduction to Web Designing
Name of Teacher : Avani Rajde	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Introduction to Macromedia Dreamweaver MX, Features, Working with Different Views in Dreamweaver		
		Designing page Layout, Using Layers, Creating Roll over images		
	II	Browsing Menus, Inserting and formatting text		
		Inserting Images, Inserting Tables, Inserting Frames		
	III	Inserting Flash Animation into Page		
		Introduction to Macromedia Fireworks		
	IV	Introduction to Tools: Selection Tools, Bitmap Tool, Vector Tools, Web Tools		
		Working with Panels, Work with Document (Document window), Drawing Tools		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Work with Paths, Vector Objects		
		Internal Evaluation (Test-I)		
	II	Transform Objects, Align and Group Objects		
		Work with Color, Swatches Panel, Strokes		
	III	Text Basics, Text and Paths, Text Attributes		
		Effects and Filters, Masking with Layer		
	IV	Introduction to Macromedia Flash MX Features, Difference between Vector and Raster Graphics		
		Using Drawing Tools, Painting and Selection Tools		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Timelines and Layers, Guide Layer		
		Working with Shape Tween, Motion Tween		
	II	Using the Library, Working with Movie Clips, Incorporating Sounds into Animation		
		Working with Buttons, Flashing Your Text, Masking, Publishing a Movie		
	III	What is Action Script, Background of Action Script		
		Writing Action Script, Placing Action Script		
	IV	Variables in Flash MX Action Script		
		Data types in Flash MX Action Script		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Text Fields & Variables.		
		Basic Action: Action Categories, Movie Control Actions		
	II	Browser/Network– fscommand (), getURL (), Movie Clip Control– startDrag (), stopDrag ()		
		Internal Evaluation (Test–II)		

Name of Course : M.Sc.(CA & IT)-II	Subject : 205
Name of Teacher : J.B.Rami	Year : 2015

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	----		
		Dreamweaver: Pr-1		
	II	Pr-2		
		Pr-3,4		
	III	Pr-5		

	IV	**Fireworks :** Pr-1		
		Pr-2		
	V	----		
		Pr-3		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	----		

	II	Internal Evaluation (TEST-I)		
		Flash :		
	III	Pr-1		
		Pr-2		
	IV	Pr-3		

	V	Pr-4		
		Pr-5		

Month	Week	Teaching Plan	Remarks	Sign
March	I	----		

	II	Pr-6		

	III	Pr-7		
		Pr-8		
	IV	Pr-9		
		Pr-10		
	V	Pr-11		

Month	Week	Teaching Plan	Remarks	Sign
April	I	----		

	II	Practice		
		Practice		
	III	Practice		
		Internal Evaluation (TEST-I)		
	IV	----		

	V	----		

ACADEMIC PLANNING

Name of Course : Msc(CA & IT) –IV and M.C.A-IV(Integrated)	**Subject : 401- Numerical Methods**
Name of Teacher : Ranna Patel	**Year : 2014-15**

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	**(unit-1) Measure of Central Tendency : –** **Arithmetic Mean :** Arithmetic Mean for raw data		
		Discrete frequency distribution, Continuous frequency distribution		
	II	Properties of Arithmetic Mean, Merits & Demerits of A.M.		
		Median : Median for raw data,Discrete frequency distribution, Continuous frequency distribution ,Merits & Demerits of Median		
	III	**Mode :** Mode for raw data,Discrete frequency distribution ,Continuous frequency distribution , Merits & Demerits of Mode		
		Measure of Dispersion : – Introduction, Range & its Co-efficient		
	IV	Quartile deviation & its Co- efficient,Mean deviation & its Co –efficient		
		Standard deviation & its Co –efficient		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	**(unit-2) Correlation Co-efficient : -** Definition of Correlation,Types of Correlation		
		Internal Evaluation (Test-1)		
	II	Scatter Diagram Method		
		Karl Pearson's Correlation Co-efficient		
	III	Correlation Co-efficient for Bivariate frequency distribution		
		Probable error for correlation		
	IV	**(unit-3) Regression Analysis : -** Definition of Regression, Regression Lines		
		Regression Co-efficients		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Properties of Regression Co –efficients		
		Least square fit linear regression curve fitting		
	II	**(unit–4) Time Series and Business forecasting : –** Utility of Time series Analysis		
		Components of Time series : Secular Trend ,Seasonal Variation		
	III	Cyclic Variation ,Irregular Variation		
		Method of Measurement of components : Moving averages method(for odd period of time)		
	IV	Method of Measurement of components : Moving averages method(for even period of time)		
		Forecasting Model		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Forecasting Method : Exponential Smoothing Method		
		Paper solution		
	II	Paper solution		
		Internal Evaluation (Test-2)		

Name of Course : Msc(CA & IT) –iV	Subject : 601- Digital Electronics
Name of Teacher : Neha Thakkar	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Decimal, Binary, Binary to octal, Binary to Hexadecimal, Binary to Decimal, Decimal to Binary,		
		Binary Operation (Addition, Subtraction, Multiplication, Division)		
	II	Hexadecimal, Hexadecimal to Binary, Hexadecimal to Octal, Hexadecimal to Decimal		
		Hexadecimal Operation(Addition, Subtraction, Multiplication, Division)		
	III	Octal, Octal to Binary, Octal to Decimal, Octal to Hexadecimal, Octal Operation(Addition, Subtraction, Multiplication, Division)		
		Addition, Subtraction Using 1's and 2's Complement,		
	IV	BCD Code, Addition, Subtraction Using 8421 BCD Code		
		XS -3 Code, Addition, Subtraction Using XS-3 Code,		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Error Detection & Error Correction Code, Floating Point Representation of Number, Logic Gates, Logic Circuit		
		Internal Evaluation (Test-1)		
	II	Boolean Algebra , Simplification using Boolean Algebra		
		K' Map		
	III	Simplification using K'map		
		Combinational logic circuit : Half Adder, Full Adder, Binary Adder, 2's Complement Adder –Subtractor		
	IV	**Sequential Circuit, Types of Sequential Circuit**, Latch: R-S Latch, D-Latch		
		Flip Flop: R-S FF, D-FF,J-K FF		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Flip Flop: Master Slave J -K FF		
		Integrated Circuits- Decoders, Multiplexer, Demultiplexer		
	II	Registers (Shift Left & Shift Right register), Counter(Asynchronous & synchronous)		
		Types of Memory - RAM, Types of RAM, ROM,		
	III	Types of ROM Operations –Arithmetic Micro Operations, Logical Micro Operations, Shift Micro Operations, Arithmetic Logical Shift Unit		
		Addressing Techniques, Types of Addressing Techniques, Instruction Format		
	IV	Microprocessor Overview, Types of Microprocessor 8085 Microprocessor Architecture		
		Flags, Types of Flags Types of instruction(1 -Byte,2-Byte,3-Byte)		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Arithmetic instruction, Logical Instruction		
		Data transfer instruction, Stack instruction		
	II	Branch Instruction, I/0 instruction.		
		Internal Evaluation (Test-1)		

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-IV	Subject : 403– Object Oriented Programming with JAVA
Name of Teacher : K.B.Patel	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	The Byte-code, Features of Java, IDE for Java		
		Object-Oriented Programming in Java, Java Program Structure and Java's Class Library		
	II	The Simple Data Types, Literals, Variables, Type Conversion and Casting		
		Automatic Type Promotion in expressions, Java Operators, Operator Precedence		
	III	Control Statements – if and switch, Scope of Variable, Iterative Statements – for, while, do…. While, Jump Statements		
		Definition of a Class, Definition of Methods, Constructors, Creating Objects of a Class		
	IV	Assigning Object Reference Variables, The Variable this, Defining and Using a Class, Automatic Garbage Collection.		
		Internal Evaluation (Test-1)		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Arrays, String Handling, Inheritance: Using Existing Classes, Class Inheritance, Choosing Base Class		
		Polymorphism, Multiple Levels of Inheritance, Abstraction through Abstract Classes, Using Final Modifier		
	II	Understanding Packages, Defining a Package, Packaging up Your Classes, Understanding CLASSPATH		
		Standard Packages, Access Protection in Packages, Concept of Interface.		
	III	Types of Exceptions, Dealing with Exceptions, Exception Objects, Defining Your Own Exceptions		
		The Java Thread Model, The Main Thread, Creating a Thread, Creating Multiple Threads		
	IV	Thread Priorities, Synchronization, Inter-thread communication, Deadlocks		
		Internal Evaluations (Test-2)		

Month	Week	Teaching Plan	Remarks	Sign
Mar	I	I/O Basic, I/O Classes, Reading Console Input Writing Console Output, Reading and Writing on Files		
		Random Access Files, Storing and Retrieving Objects from File, Stream Benefits		
	II	Applet Basics, Applet Architecture, Applet Life Cycle		
		Simple Applet Display Methods, Requesting Repainting, Using the Status Window		
	III	The HTML APPLET Tag Passing Parameters to Applets		
		AWT Classes, Window Fundamentals		
	IV	Working with Frame, Creating a Frame Window in an Applet, Displaying Information Within a Window		
		Working with Graphics, Setting the Paint Mode, Managing Text Output Using Font Metrics		

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Month	Week	Teaching Plan	Remarks	Sign
Apr	I	Labels, Buttons, Check Boxes and Check Box Groups, Lists, Scroll Bars, Text Field and Text Area Controls		
		Understanding Layout Managers, Different Layout Managers, Menu Bars and Menus, Dialog Boxes, File Dialog		
	II	Two Event Handling Mechanisms, The Delegation Event Model, The Event Handling Process, Event Classes		
		Sources of Events, Event Listener Interfaces, Using the Delegation Event Model, Adapter Classes		
	III	Internal Evaluations (Test-3)		
		Question Paper Solutions		
	IV			

Name of Course : M.Sc.(CA & IT)-IV	Subject : 403– Object Oriented Programming with JAVA (Practical)
Name of Teacher : K.B.Patel	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Java Program to print Message and find the Area of circle		
		Java Program that displays Factorial of the given number, display the sum of 1+1/2+1/3…..+1/n		
	II	Java Program that will display 25 Fibonacci nos		
		Java Program to display following kind of output on screen		
	III	Java Program that will accept command-line arguments and display the same		
		Java Program which will read a text and count all occurrences of a particular word.		
	IV	Java Program which will read a string and rewrite it in reverse alphabetical order		
		Internal Evaluation (Test-1)		

ACADEMIC PLANNING

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Make an Applet in which button is pressed the background color of the applets is set to the color named by the button's label		
		Write a Java Applet that create some text fields and text areas to demonstrate features of each, Program to Use a Grid layout class to arrange instance of circle canvas		
	II	Program in which When user double clicks on any filename of the list box, its contents should be displayed in the text Area		
		Create an applet with three text Fields and two buttons add and subtract and perform operations accordingly		
	III	Create an applet to display the scrolling text. When the applet is deactivated, it should stop moving; Write a program to change background color of the label according to scrollbars values.		
		Create user entry form for student data to insert in the Text Area in a row format for each record.		
	IV	Write a program that accepts five strings from the user and stored them in a vector and perform add, delete and print operation on vector items.		
		Internal Evaluations (Test-2)		

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Month	Week	Teaching Plan	Remarks	Sign
Mar	I	Write a program to return the specified number with its digits reserved (another Package), Create an application to display file in text area named in text field		
		Program to display the arithmetic table for number in the list box, Develop a program to write the text to a file and also to read and display contents of file		
	II	Application to change the background of applet according to menu item and also to change font of text field in applet according to menu item font		
		Develop a Program add items to list box on add button and delete items from list on delete button.		
	III	Create an applet to display the co-ordinates of the mouse pointer		
		Write a program to display sum of two textboxes values in a dialog box		
	IV	Write a program to store information of student to a file and display it in the Text Area using FileWriter and FileReader class		
		Write a program to demonstrate the concept of FileInputStream and FileOutputStream		

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Month	Week	Teaching Plan	Remarks	Sign
Apr	I	Program to demonstrate the concept of RandomAccessFile with different mode of files		
		Program to create a deadlock with the use of Thread class.		
	II	Applet program to display a counter in its center. Counter begins with 0 and is incremented by 1 after every second. Infinite loop invokes paint method to display counter.		
		Applet program to display circle at different places on the screen.		
	III	Internal Evaluations (Test-3)		
		Question Paper Solutions		
	IV			

Name of Course : M.Sc.(CA & IT)-IV	Subject : 404– OPERATING SYSTEM & UNIX
Name of Teacher : V.H.Bhemwala	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Introduction to Operating System		
		Types of Operating system		
	II	Operating System Services		
		Process, Process Control Block (PCB), Process States, Scheduling – Types of Schedulers, Scheduling & Performance Criteria		
	III	Scheduling Algorithms – FCFS, SJF, Priority & Round Robin (RR) Scheduling		
		Interprocess Synchronization: Mutual exclusion, Semaphore,		
	IV	Classical Problems in Synchronization, Intraprocess Synchronization: Critical Region		
		Deadlocks, Static Memory Allocation		

Month	Week	Teaching Plan	Remarks	Sign
February	I	Dynamic Memory Allocation		
		Segmentation		
	II	Virtual memory – Paging		
		Demand Paging		
	III	Page Replacement Algorithms		
		Page Replacement Algorithms Examples		
	IV	Fragmentation & Defragmentation, Cache memory.		
		Program Controlled I/O		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Interrupt Driven I/O, USART, PIT		
		File Management: File concept, Access method, Directory structure		
	II	Disk Space Management – Continuous allocation		
		Non continuous allocation		
	III	File related system services		
		Protocol Architecture, TCP/IP Architecture		
	IV	Client/Server Computing		
		Message Passing, Remote Procedure Calls		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Features of Unix		
		Types of shell		
	II	Unix file system		
		Editors of Unix: (VI)		
	III	Paper solution of last 5 years		
		Paper solution of last 5 years		
	IV			

Name of Course : M.Sc.(CA & IT)-IV	Subject : 404
Name of Teacher : J.B.Rami	Year : 2015

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	`Pr-1,Pr-2`		
	II	**----**		
	III	**----**		
	IV	`Pr-3,Pr-4`		
	V	`Pr-5,Pr-6`		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	----		
	II	Internal Evaluation(TEST-I)		
	III	Pr-7,Pr-8,Pr-9		
	IV	Pr-10,Pr-11,Pr-12		
	V	Pr-13,Pr-14,Pr-15		

Month	Week	Teaching Plan	Remarks	Sign
March	I	----		
	II	Pr-16,Pr-17,Pr-18		
	III	Pr-19,Pr-20,Pr-21		
	IV	Pr-22,Pr-23,Pr-24		
	V	----		

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Month	Week	Teaching Plan	Remarks	Sign
April	I	----		
	II	Pr-25,Pr-26,Pr-27,Pr-28		
	III	Internal Evaluation(TEST-II)		
	IV	----		
	V	----		

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-IV	Subject : 405– Adv. Database Architecture
Name of Teacher : B.M.Patel	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Administration of SQL*Plus, Commands, Environment Variables		
		Using SQL to Create SQL, Tracing SQL statements, Understanding database administration tools		
	II	Review of Views, PL/SQL, Cursor & Exception Handling		
		Introduction to Procedure & Function, Modes of Parameter, Storage Details Information		
	III	Package creation & implementation		
		Introduction to triggers, Types of triggers, DML triggers, Usage of triggers as general user and DBA		
	IV	System triggers & Sequences		
		Introduction to SQL Loader, Control file, Data Fie & Output files like bad file, discard file, log file		

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Month	Week	Teaching Plan	Remarks	Sign
February	I	Internal Evaluation(Test-1)		
		Explanation of SQLLDR command, Direct path & Conventional Path Loading, Different types of loading schemes		
	II	Introduction to Oralce Instance Architecture, Explanation of complex memory structure		
		Explanation of Background Processes, Physical files like data files, redo log files, archived redo log files, control files		
	III	Introduction to OFA, Understanding system & user database objects		
		`Creating oracle first database as per requirements using command line and GUI`		
	IV	Creating users & tablespaces		
		Using grant & revoke to manage roles & privileges		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Integrity management using Locks, Explanation of how oracle lock works & V$lock		
		Oracle Latches, and understanding V$Latch		
	II	Introduction to BackUp of database, Logical vs Physical backup, Backup of Logical data using EXP command		
		Introduction to Physical Backup, Hot and Cold Backup, Backup of physical files in offline mode(Cold Backup)		
	III	`Backup of Physical files in Online Mode(Hot Backup)`		
		Introduction to different types of Failures, Recovery of database when Logical data is corrupted/missed/lost Using IMP command		
	IV	Recovery of database using backup copy of physical files, recovery of missing/corrupted control files		
		Recovery of missing/corrupted data files and synchronizing database with current logs		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Administration of database storage space and managing it		
		Managing Roll back/undo segments and fragmented sapce		
	II	Introduction to performance tuning, goals &principles		
		ROI strategy		
	III	Internal Evaluation(Test-2)		
		Questions/Answers		
	IV			

Name of Course : M.Sc.(CA & IT)-IV	Subject : 405–A DBMS
Name of Teacher : A.M.Kadri	Year : 2015

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	**Group-I** (Pr-1,Pr-2)		
		Group-I (Pr-3,Pr-4,Pr-5)		
	II	Group-I (Pr-6,Pr-7)		
		Group-II (Pr-1)		
	III	Group-II (Pr-2)		
		Group-II (Pr-3)		
	IV	Group-II (Pr-4)		
		Group-II (Pr-5)		
	V	Group-II (Pr-6)		
		Group-II (Pr-7)		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I			
	II	Internal Evaluation (Test-I)		
		Group-II (Pr-8)		
	III	Group-II (Pr-9)		
		Group-II (Pr-10)		
	IV	Group-II (Pr-11)		
		Group-II (Pr-12)		
	V	Group-III (Pr-1,2)		
		Group-III (Pr-3,4,5)		

Month	Week	Teaching Plan
March	I	
	II	Group-IV (Pr-1,Pr-2)
		Group-IV (Pr-3,Pr-4)
	III	Group-IV (Pr-5)
		Group-V (Pr-1,Pr-2)
	IV	Group-V (Pr-3,Pr-4)
		Group-V (Pr-5)
	V	Group-VI (Pr-1,Pr-2)
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Month	Week	Teaching Plan
April	I	--
		--
	II	Group-VI (Pr-3,Pr-4)
		Practice
	III	Internal Evaluation (TEST-II)
		Database Creation

Name of Course : Msc(CA & IT) –VI	Subject : 601- Management Information System
Name of Teacher : Neha Thakkar	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	The Roll of Information Systems in Business Today,		
		Perspectives on Information Systems, Contemporary Approches to Information Systems		
	II	Business Processes and Information Systems		
		Types of Information System ,System that Span the Enterprise		
	III	The Information Systems Function in Business		
		Organizations and Information Systems		
	IV	How Information Impact Organizations and Business Firms Using Information Systems to Achieve Competitive Advantage		
		Understanding Ethical and Social Issues Related to Systems		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Ethics in Information Society		
		Internal Evaluation (Test-1)		
	II	The Moral Dimensions of Information Systems		
		System Vulnerability & Abuse Business Value of Security &Control		
	III	Establishing a Framework for Security and Control		
		Technologies and tools for Protecting Information's Resources		
	IV	Enterprise Systems,SCM		
		CRM,Enterprise Applications		

Month	Week	Teaching Plan	Remarks	Sign
March	I	The Knowledge Management Landscape		
	I	Entetprise-Wide Knowledge Management Systems		
	II	Knowledge Work Systems,Intelligent Techniqu**es**		
	II	Decision Making and Information Systems		
	III	Systems for Decision Support, ESS		
	III	Systems and Planned Organizational Change, Overview of Systems Development		
	IV	Alternative Development for d D-Firm , Application Development for the Digital Firm		
	IV	The Importance of Project Management, Selecting Projects		

Month	Week	Teaching Plan	Remarks	Sign
April	**I**	Establishing the Business Value of Info. Systems ,Managing Project Risk		
		The Growth of International Info.Systems		
	II	Organizing International Informations Systems, Managing Global Systems		
		Internal Evaluation (Test-1)		

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-IV	Subject : 602-Software Engineering
Name of Teacher : Alpa Rajput	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Historical Overview and Software characteristics and myths		
		Software Framework and Software LS Process Models		
	II	Software EP Model Specialized Models		
		Software Measurement		
	III	Project Estimation and Scope		
		Decomposition techniques		
	IV	EE Model and Make/Buy Decision		
		Types of Software Risk and Risk Projection		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Risk Identification , RMMM and Risk Refinement		
		Internal Evaluation (Test-1)		
	II	Quality Concepts and SQA		
		Software Review and FTR		
	III	SSQA, Software Reliability and SQA plan		
		Software Configuration Management		
	IV	Overview of Testing strategies and Unit Testing		
		Integration and Validation Testing		

Month	Week	Teaching Plan	Remarks	Sign

Month	Week	Teaching Plan	Remarks	Sign
March	I	System testing and Debugging		
		Whitebox testing		
	II	Control Structure Testing		
		Blackbox Testing		
	III	Quality Factors and Analysis Metrics		
		Design Metrics		
	IV	Code, Test and Maintainance metrics		
		Design Concepts and Principles		

April	I	Transform Mapping		
		Transaction Mapping		
	II	Paper Solution		
		Internal Evaluation (Test-1)		

Name of Course : M.Sc.(CA & IT)-VI	Subject : 604- Multimedia Technology and Virtual Reality Development
Name of Teacher : Hinal Prajapati	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Introduction to graphics-Raster and Vector graphics and Effects		
		Masking, Text effects, Image Editing in Photoshop-Different Effects, Layers Effect, Image modes		
	II	Overview of Multimedia, Types of Media		
		Characteristics of Media		
	III	Synchronization and Introduction to Authoring Systems.		
		Compression Techniques-JPEG compression		
	IV	Video Compression Techniques-MPEG1 & 2 and MPEG-4		
		Audio Compression Techniques- Speech and mp3 compression		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Multimedia Architecture, characteristics of MMX		
		Internal Evaluation (Test-1)		
	II	I/O Systems for Multimedia		
		Operating system for Multimedia Data		
	III	Resource scheduling for Multimedia Data		
		I/O device management.		
	IV	Over view of 3D Computer graphics		
		Concept of projection,		

Month	Week	Teaching Plan	Remarks	Sign
March	I	3D clipping, simple 3D modeling		
		shading algorithms, radiosity		
	II	Geometric modeling		
		Geometric Transformations		
	III	Introduction of Virtual Reality		
		Interface for virtual world input		
	IV	stereo display, Auto-stereoscopic displays		
		holographic display hap tic and force feedback		

April				
	I	VRML programming concept		
		Application of VRML		
	II	Paper Solution		
		Internal Evaluation (Test-2)		

Name of Course : M.Sc.(CA & IT)-VI	Subject : 604 (Practical) - Multimedia Technology and Virtual Reality Development

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Introduction of Photoshop Tools and Platform		
		Layer management and effects–Practical–1		
	II	Different filter effects–Practical–2		
		Lighting effects– Practical–3		
	III	Blending and Composting Image– Practical–4		
		Photo Filled Text– Practical–5		
	IV	Reflection effects– Practical–6		
		Mirror Effect– Practical–7		

Name of Teacher : Hinal Prajapati	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Graphical Effects on Text- Practical-8		
		Internal Evaluation (Test-1)		
	II	Graphical Text on Path- Practical-9		
		Logo and Advertisement Banner- Practical-10		
	III	Introduction of 3Ds Max Platform and Environment		
		3D Objects and Transform controls- Practical-11		
	IV	3D Graphics and Lights effects- Practical-12		
		Modeling 3D Graphical Text- Practical-13		

Month	Week	Teaching Plan	Remarks	Sign
March	I	3D Modeling Text on Path– Practical–14		
		Clone, Mirror and Array Effects on 3D Objects– Practical–15		
	II	Render Window Features– Practical–16		
		Camera View– Practical–17		
	III	Transform Controls on Letters of Text– Practical–18		
		Animation on 3D object– Practical–19		
	IV	3D Text Animation– Practical–20		
		Modeling Box using VRML file– Practical–21		

April				
	I	Modeling Sphere using VRML file- Practical-22		
		Modeling Text,Cylinder,Cone using VRML file- Practical-23-24-25		
	II	Internal Evaluation (Test-2)		

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-VI	Subject : 605- Visual Programming with VC++
Name of Teacher : Amit Patel	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Introduction to Microsoft Visual Studio 6.0 IDE		
		To Print Hello World using SDI and MDI		
	II	create chessboard like (8x8) boxes on client area using Pen and Brush		
		To draw graphical object using Pen and Brush		
	III	To draw Bar chart		
		To display circle of 100 radius at middle of client area		
	IV	To display multiple circle which all have same center point		
		Introduction of key event		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	To drag graphical object at client area using key event		
		Internal Evaluation (Test-1)		
	II	Introduction of Mouse Event on client area		
		To draw any graphical object like rectangle of circle and check it out user has been click inside of object or outside		
	III	To draw a freehand drawing using mouse		
		To make a animated cursor and set on client area		
	IV	To display number of images on client area		
		To pick RGB color from any image's pixel in dialog box		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Create a menu with menu-items and make some what action on selected menu-item		
		To utilize MessageBox with all option in dialog base application		
	II	To display computer system details using dialog base application		
		To prepare a pay-slip of employee using dialog base application		
	III	Introduction of windows control like combobox, editbox(textbox),button, ect.		
		Timer event in progress bar		
	IV	To open dialog and do a sum of two numbers and Show output in the child dialog as well as prarent dialog		
		To Display Crystal Report		

April				
	I	Sort data using CStringList class		
		IO operation of text file		
	II	Concept of command line argument		
		Internal Evaluation (Test-2)		

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-VI	Subject : 605– Visual programming using VC++
Name of Teacher : K.I.Chokhawala	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Chap-I Introduction to Visual Programming		
		Device context, Basic drawing		
	II	, GDI Objects, Bitmaps ,colors, fonts		
		Chap-II Event Handling		
	III	Procedure and functions		
		Chap-III String Functions		
	IV	Chap-IV Win32 Console Applications		
		Chap-V SDI and MDI Applications		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Reading and Writing with SDI and MDI Applications Internal		
		Evaluation (Test-1)		
	II	Document based applications: Menu, Toolbar, Status bar		
		Context sensitive help and DLL		
	III	Chap-VI GUI Applications		
		Introduction to GUI Applications		
	IV	Dialog based applications- sample Applications		
		Dialog based applications: Menu, Toolbar, Status bar		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Model and Modeless Dialog		
		Chap-VII Database Connectivity		
	II	Database connectivity with ODBC		
		Database connectivity with DAO		
	III	Sorting and Filtering		
		Chap-VIII Exception Handling		
	IV	Chap-IX Crystal Report		
		Chap-X ActiveX Controls		

Month	Week	Teaching Plan	Remarks	Sign
April	I	COM		
		OLE		
	II	Sample Application		
		Group Discussion related to subject queries		
	III	Internal Evaluations (Test-2)		
		Old Question Paper Solutions		
	IV			

Name of Course : M.Sc.(CA & IT)-VIII	Subject : 801– Networking-II
Name of Teacher : J.B.Patel	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
JAN	I	Standards, Internet, History, OSI model, Protocol suite, Addressing, Transmission media, Local Area and Wide Area Networks, Switching, Connecting devices, IP addressing,		
		Subnetting, Supernetting, IPv6		
	II	Delivery and Forwarding of IP packets – Forwarding, Routing Table		
		Datagram, Fragmentation, Checksum, IP Design		
	III	ARP, RARP		
		Internet control message protocol		
	IV	Internet group management protocol		
		User Datagram protocol - UDP operation, Use, UDP design, TCP Services		

Month	Week	Teaching Plan	Remarks	Sign
FEB	I	Internal Evaluation (Test-1)		
		TCP Segment, TCP Connection		
	II	TCP State Transition Diagram, Windows In TCP		
		Flow Control, Error Control		
	III	Error Control, Congestion Control, Timers		
		Introduction to BOOTP and DHCP, Operations, packet format		
	IV	DHCP State transition Diagram		
		Need for DNS, Name Space, Distribution of Name space, Address resolution		

Month	Week	Teaching Plan	Remarks	Sign
MAR	I	DNS messages, TELNET, NVT		
		FTP, Connections, Communication, E-mail Architecture		
	II	SMTP, POP3, MIME, Web based Mail Architecture.		
		SNMP concept, Components, PDUs		
	III	Mobile IP Addressing, Agent, Phases, inefficiency in Mobile IP		
		Why TMN, ATM Networks-Broadband Network and Services , ATM Technology, Virtual Path, Virtual Circuit.		
	IV	ATM Packet Size - Role of SNMP and ILMI in ATM Management - ATM Digital Exchange Interface Management		

Month	Week	Teaching Plan	Remarks	Sign
APR	I			
	II			
	III	Internal Evaluations (Test-2)		
	IV			

ACADEMIC PLANNING

Name of Course : M.Sc.[CA & IT] - VIII	Subject : 803-Adv. Algoritham
Name of Teacher : Badal K Kothari	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Practical – 1 (Single linked list and its operation)		
		Practical – 2 (Doubly Linked List and its operation)		
	II	Practical – 2 (Doubly Linked List and its operation)		
		Practical-3 (Binary Tree Traversal)		
	III	Practical-4 (D.F.S.)		
		Practical-4 (D.F.S.)		
	IV	Practical-5 (Iterative and Recursive Binary Search)		
		Practical-6 (Merge Sort)		

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Month	Week	Teaching Plan	Remarks	Sign
February	**I**	Internal Practical Evalution-01		
		Practice Session		
	II	Practical-7 (Strassen's Matrix Multiplication)		
		Practical-7 (Strassen's Matrix Multiplication)		
	III	Practical-8 (optimal merge patterns)		
		Practice Session		
	IV	Practical-9 (Huffman coding)		
		Practical-9 (Huffman coding)		

Month	Week	Teaching Plan	Remarks	Sign
March	**I**	Practical-10 (Kruskal's algorithm)		
		Practical-10 (Kruskal's algorithm)		
	II	Practical-11 (shortest path algorithm)		
		Practice Session		
	III	Practical-12 (Floye-Warshal algorithm.)		
		Practical-12 (Floye-Warshal algorithm.)		
	IV	Practical-13 (Salesman Problem)		
		Practical-13 (Salesman Problem)		

Month	Week	Teaching Plan	Remarks	Sign
April	**I**	Assignment Submission		
		Assignment Submission		
	II	General Checking		
		General Checking		
	III	Internal Practical Evaluations-02		
	IV			

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-VII	Subject : 803– Adavnced Algorithms
Name of Teacher : K.I.Chokhawala	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Chap-I Introduction to Algorithms		
		Overview of Data structure		
	II	Chap-II Introduction to Linked list		
		Singly linked list		
	III	Doubly linked list		
		Sorted linked list		
	IV	Circular linked list		
		Chap-III Introduction to Tree		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Internal Evaluation (Test-1)		
		Binary tree with operations		
	II	Chap-IV Introduction to Graph		
		DFS and BFS with Applications		
	III	Chap-V Introduction to Greedy Algorithms		
		Kruskal's Algorithm		
	IV	Prim's Algorithm		
		Elements of greedy strategies and Huffman codes and task scheduling problem		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Chap-VI Introduction to divide and conquer		
		Merge sort and Quick sort		
	II	Strassen's Matrix Multiplications		
		Chap-VII Introduction to dynamic programming		
	III	Elements of dynamic programming and matrix chain multiplication		
		Chap-VIII Introduction to String matching		
	IV	Naïve string matching		
		Rabin-Karp and Knuth-Morris Pratt Algorithm		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Chap-IX Introduction to NP-Complete Problem		
		Polynomial-time verification, NP-Completeness and Reducibility		
	II	Internal Evaluations (Test-2)		
		NP-Completeness proof and NP-Complete Problems		
	III	Group Discussion related to subject queries		
		Old Question Paper Solutions		
	IV			

Name of Course : M. Sc.(CA&IT) Semester-VIII	Subject : 804 Computer Security
Name of Teacher : J. N. Modi	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	What Does "Secure" Mean? , Attacks, The Meaning of Computer Security		
		Computer Criminals, Methods of Defense		
	II	Making a Business Case, Quantifying Security, Modeling Cyber -security		
		Current Research and Future Directions		
	III	Intruders		
		• Intruders, Intruders detection, Password management.		
	IV	Malicious Software		
		• Viruses and Related Threats		
		Test-I		

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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Firewalls • Firewalls Design principle, established systems .		
	II	Foundations of cryptography and computer security • Mathematical foundations, Randomness		
	III	Symmetric key cryptography • Classical Encryption Techniques • Block Ciphers and The Data Encryption Standard		
	IV	Advance Encryption Standard • Confidentiality Using Symmetric Encryption - Public key cryptography		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Test-II		
		Public Key Cryptography And RSA		
	II	Protocols: Digital Signature standards		
		Electronics Mail Security -		
	III	MIME, data Compression technique		
		Web security: -Secure Socket Layer		
	IV	IP Security: Architecture, Authentication Leader,		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Transport Layer security, secure electronics transactions		
		PGP (Pretty Good Privacy) MIME,		
	II	Encapsulating security Payload –Key management		
		Paper Solution		
	III	Assignment		
		Test-III		
	IV			
	V			

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ACADEMIC PLANNING

Name of Course : M.Sc.[CA & IT] - VIII	Subject : 804-Computer Security
Name of Teacher : Viral V Vyas	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
January	I	Introduction to Encryption/Decryption Technique with practical example.		
		Introduction to menu driven program to implement [Mono-alphabetic Substitution Technique] Caesar Cipher Algorithm and also perform cryptanalytic Brute-Force Attack to print all translations of plaintext using all possible key values.		
	II	Assignment Practical-01 Mono-Alphabetic Substitution Cipher		
		Assignment Practical-02 Vigenere Cipher		
	III	Introduction to menu driven program to implement [Poly-alphabetic Substitution Technique] One-Time Pad Vigenere Cipher Algorithm.		
		Introduction to menu driven program to implement [Poly-alphabetic Substitution Technique] One-Time Pad Vigenere Cipher Algorithm.		
	IV	Assignment Practical-03 Autokey Vegenere Cipher		
		Practice Session		

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Month	Week	Teaching Plan	Remarks	Sign
February	**I**	Internal Practical Evalution-01		
		Introduction to menu driven program to implement [Mono-alphabetic Substitution Technique] Playfair Cipher Algorithm.		
	II	Introduction to menu driven program to implement [Mono-alphabetic Substitution Technique] Playfair Cipher Algorithm.		
		Practice Session		
	III	Introduction to menu driven program to implement [Rotor Machine Technique] 3-Rotor Machines Cipher Encrypt algorithm.		
		Assignment Practical-04 Rail-Fence Transposition Cipher		
	IV	Introduction to menu driven program to implement S-DES block Cipher Encrypt algorithm Session-01		
		Introduction to menu driven program to implement S-DES block Cipher Encrypt algorithm Session-02		

Month	Week	Teaching Plan	Remarks	Sign
March	**I**	Introduction to menu driven program to implement S-DES block Cipher Encrypt algorithm Practice Session		
		Introduction to computer program that implements Columnar Transposition Cipher.		
	II	Introduction to computer program that implements fast exponentiation (successive squaring) modulo n.(Decryption)		
		Introduction to computer program that implements public key cryptography and RSA algorithm Session-01		
	III	Introduction to computer program that implements public key cryptography and RSA algorithm Session-02		
		Introduction to computer program that implements public key cryptography and RSA algorithm Practice Session.		
	IV	Introduction to computer program that implements Digital Signatures Algorithm.(Encryption)		
		Introduction to computer program that implements Digital Signatures Algorithm.(Decryption)		

Month	Week	Teaching Plan	Remarks	Sign
April	**I**	Introduction to computer program that implements cryptographic Hash function.(Encryption)		
		Introduction to computer program that implements cryptographic Hash function.(Decryption)		
	II	Project Submission		
		Project Submission		
	III	Internal Practical Evaluations-02		
	IV			

ACADEMIC PLANNING

Name of Course : M.Sc.(CA & IT)-VIII	Subject : 803-XML and Web services
Name of Teacher : R.D Prajapati	Year : 2014-15

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	XML Introduction, XML Pros and Con ,DOM Introduction, DOM Document, DOM Nodes, and Types, XMLHTTPREQUEST object		
		DOM Node Tree, DOM Load Function, DOM Methods, DOM Accessing		
	II	DOM Document Type, DOM CData		
		DOM Node, Element, Attributes, Text Info, DOM Node List, DOM traversing		
	III	Manipulating Nodes		
		DOM get values, DOM Create Nodes, DOM Replace Nodes, DOM Remove Nodes, DOM Add Nodes, and DOM clone Nodes		
	IV	Introduction to DTD, Purpose of DTD,DTD Building Blocks, DTD Elements		
		DTD Attributes, DTD Elements Vs Attributes,		

Month	Week	Teaching Plan	Remarks	Sign
Feb	I	DTD Entities, DTD Validation **(1st Theory Test :3rd February)**		
		Introduction to XSLT,XLST Languages, XSLT Browsers, XSLT Transform XSLT <Template>		
	II	XSLT <value-of>, XSLT <for- each>, XSLT<sort>, XSLT <if>, XSLT <choose>		
		XSLT Apply, XSLT on the Client, XSLT on the server, XSLT Edit XML		
	III	Introduction to XPATH, XPATH nodes, XPATH syntax		
		XPATH Operators, XPATH Functions		
	IV	Introduction to XQUERY, XQUERY Flower, XQUERY HTML, XQUERY terms		
		XQUERY syntax, XQUERY Add, XQUERY select, XQUERY Function		

Month	Week	Teaching Plan	Remarks	Sign
March	I	Introduction to XLINK, XLINK syntax, XLINK Example, XLINK reference		
		Introduction to XPOINTER, XPOINTER syntax, XPOINTER Example		
	II	Introduction to XSD, XSD<schema>		
		simple types (XSD elements, XSD attributes)		
	III	Complex Types (XSD elements,		
		XSD elements only, XSD empty, XSD text only, XSD mixed, XSD indicators		
	IV	XSD <any>, XSD <any Attribute>		
		Data Types(XSD string, XSD date, XSD numeric, XSD misc)		

Month	Week	Teaching Plan	Remarks	Sign
April	I	Introduction to XSLFO		
		,XSLFO Documents, XSLFO Area		
	II	XSLFO flow, XSLFO pages, XSLFO block, XSLFO lists, XSLFO tables		
		Overview Of SOAP, SOAP: Protocol Message Structure		
	III	Web services Overview-Architecture, UDDI **(2nd Theory Test :14th April)**		
		Web service Description Language		
	IV			

Name of Course : M.Sc.(CA & IT)-VIII	**Subject : 805- XML & Web Services**
Name of Teacher : Amit Patel	**Year : 2014-15**

Month	Week	Teaching Plan	Remarks	Sign
Jan	I	Create an XML file which contain all the information of M.Sc(CA & IT) / MCA's student.		
	II	Load XML document using XmlHttpRequest Object. Write a program to display root element, count child elements for root element and list child elements from XML document.		
	III	Write a program to display all information of student in well formatted form (like in table format). Write a program to display name of all the student with address .		
	IV	Write a program to add new semester to course M.Sc(CA & IT) with attribute No=3. Write a program to remove the subjects from semester.		
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Month	Week	Teaching Plan	Remarks	Sign
Feb	I	Internal Evaluation (Test-1)		
	II	To list out name, address and date of birth of all students. To display subjects of M.Sc.(CA&IT)'s sem-1		
	III	List out student's name with their date of birth's year is greater than 2006, and data should be in sorting for of year To list out name, address and date of birth of all students		
	IV	To write code for name, semester, and subject details of all students		

Month	Week	Teaching Plan	Remarks	Sign
March	I	To get the details of students		
	II	To get the student details whose name is ""Kashish"		
	III	To get the student details whose name contains "He"		
	IV	To group the semester for every student order by name		

April				
	I	To use the concept of witch statatemen		
	II	To use the concept of function		
		Internal Evaluation (Test-2)		