

Summary of Lesson Plan of College Faculty

Name of College: GOVT. COLLEGE JIND

ACADEMIC SESSION: 2022-23

From Feb 2023 to May 2023

S.N.	Name of Assistant/ Associate Professor	SUBJECT/ CLASS/ SEMESTER	TOPIC/ Chapters to be covered
1	SEEMA RANI	PGDCA- II	23/02/2023-21/05/2023
	ASSISTANT PROFESSOR	DIGITAL ELECTRONICS	<p>Feb.- 2023 Number System and Logic Gates: Decimal, Binary, Octal and Hexadecimal Number System, Addition, Subtraction, multiplication and division of binary numbers</p> <p>March- 2023 Number code: 8421, BCD, Grey, ASCII, EBCDIC codes, Conversions from one number system to another, Logic Gates: AND, OR, NOT, NAND, NOR, XOR, XNOR. Combinational Logic Circuits: Boolean operations, Basic Laws of Boolean Algebra, Demorgan's theorem, Principle of Duality, Sum-of-Products Methods, Truth Table, KarnaughMap, Pairs, Quads, and Octets, Karnaugh Simplifications, Don't-care Conditions , Product-of sums Method. Assignment-I</p> <p>April- 2023 Adder circuits: Half, Full, 4-bit adder. Flip Flop and Registers: Flip Flop: RS Latch, RS, D,T, JK Flip Flop, JK Master Slave Flip Flop, Clock wave forms, Registers: Types of Registers, Serial In Serial Out (SISO), Serial In Parallel Out (SIPO), Parallel In Serial Out (PISO), Parallel In Parallel Out (PIPO), Universal Shift Register. Class Test</p> <p>May- 2023 Counters and Memory: Asynchronous counters, Synchronous counters, ring counter, ripple counter, Johnson counter Memories: Basic terms and ideas, Magnetic Memory, Optical Memory, Memory Addressing, ROMs, PROMs, and EPROMs, RAMs. Assignment-II</p>
	COMP-DEPT		

S.N.	Name of Assistant/ Associate Professor	SUBJECT/ CLASS/ SEMESTER	TOPIC/ Chapters to be covered
2	SEEMA RANI	BSC VI NON MEDICAL	23/02/2023-19/05/2023
	ASSISTANT PROFESSOR	RDBMS, COMPUTER NETWORKS	<p>Feb.- 2023 Relational Model Concepts, Codd's Rules for Relational Model, Hierarchical Data Model– Introduction, Features, Components, Example, Network Data Model– Introduction, Features, Components, Example, Differences between Hierarchical Data Model and Network Data Model Comparison of Relational Data Model with Hierarchical Data Model and Network Data Model Relational Algebra:-Selection and Projection, Set Operation, Join and Division. Relational Calculus: Tuple Relational Calculus and Domain Relational Calculus.</p>
	COMP-DEPT.		

March- 2023

Functional Dependencies and Normalization -- Purpose, Data Redundancy, Update Anomalies, Partial/Fully Functional Dependencies, Transitive Functional Dependencies, Characteristics of Functional Dependencies. Class Test

Decomposition and Normal Forms (1NF, 2NF, 3NF & BCNF). SQL: Data Definition and data types, Create Table, Insert Data, Viewing Data, Filtering Table Data, Sorting data, Creating Table from a Table, Destroy table, Update, View, Delete, Join, Concatenating data from Table Specifying Constraints in SQL; Primary Key, Foreign Key, Unique Key, Check Constraint, Using Functions PL/SQL-Introduction, Advantages of PL/SQL, The Generic PL/SQL Block: PL/SQL Execution Environment; PL/SQL Character Set and Data Types, Declaration and Assignment of Variables, Control Structure in PL/SQL: Conditional Control, Iterative Control, Sequential Control, Assignment-I.

April-2023

Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies; Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways; Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services; OSI Reference Model; TCP/IP Model; Analog and Digital Communications Concepts: Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate; Guided and Wireless Transmission Media; Data Link Layer Design issues; Error Detection and Correction methods; Sliding Window Protocols: One-bit, Go Back N and Selective Repeat; Class Test

May-2023

Media Access Control: ALOHA, Slotted ALOHA, CSMA, Collision free protocols; Introduction to LAN technologies: Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring; Introduction to Wireless LANs and Bluetooth; Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing, Hierarchical Routing; Congestion Control; Traffic shaping; Choke packets; Load shedding; Application Layer: Introduction to DNS, E-Mail and WWW services; Network Security Issues: Security attacks; Encryption methods; Firewalls; Digital Signatures. Assignment-II

Name of Assistant/ Associate Professor	SUBJECT/ CLASS/ SEMESTER	TOPIC/ Chapters to be covered
3 SEEMA RANI ASSISTANT PROFESSOR COMPUTER SCIENCE DEPARTMENT	BSC –VI NON MEDICAL PRACTICAL SQL, PL/SQL	01/03/2023-19/05/2023 March-2023 Starting SQL, Create Table Commands, Creating a Table From Table, Insert Data into Tables, Update the Contents of a Table, Delete Operation, Retrieval of Specific Columns from a Table, Selecting a Data set from a Table, Sorting of Data in a Table. April- 2023 Modifying the Structure of Tables, Practice of Commands, Defining Constraints in a Table, Operators in Tables, SQL Functions, Sub queries in SQL, Create Views and Indexes in a Table. Grouping Data in a Table, Joining Multiple Tables, Granting and Revoking Permission, Union, Intersection, Minus Clause. May-2023 Conditional, Iterative Control in PL/SQL, Cursors in PL/SQL, Error Handling and Procedures in PL/SQL, Functions in PL/SQL. Triggers in PL/SQL, Working with Forms, Practice of Exercises.

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF THE COLLEGE- GOVT. COLLEGE, JIND ACADEMIC SESSION 2022-23 SEMESTER EVEN FOR THE MONTH OF Feb. TO May 2023

Sr. NO	Name of the Assistant / Associate Professor / Class	Subject/week/month	Topic/ Chapters to be covered	Topic of Assignments/ Tests to be given
1	Ms. Suman	Computer Science	Data Communication and Computer Network	
	PGDCA 2nd Sem	Feb.	Introduction to Computer Networks and its uses, Network categorization and Hardware: Broadcast and point-to-point networks, LAN, MAN, WAN,	
		March	Internetworks, Topologies, Wireless networks, Network Software: Protocols, Services, network architecture, design issues, OSI Reference model, TCP/IP Reference model, Internetwork to Example	(I-Assignment)
		April	Networks: Internet, Connection-Oriented Networks – X.25, Frame Relay, ATM, Data Communication Model, Digital and Analog data and signals, Bit rate, Baud, Bandwidth, Guided Transmission Media : Twisted Pair, Coaxial cable, Optical fiber; Wireless transmission : Radio waves, microwaves, infrared waves; satellite communication. Switching: Circuit Switching, Packet Switching; Multiplexing: Frequency Division Multiplexing Time Division Multiplexing,	(II-Assignment) (Unit test)
		May	Data Link Layer Design issues: Framing, error control, Flow Control, Error Detection and correction; Elementary Data Link Protocols, Sliding Window Protocols; Medium Access Control: Aloha, CSMA protocols, Collision free protocols, Limited Contention Protocols; Wavelength division Multiple access protocol, Wireless LAN Protocol: MACA; IEEE 802.3 Ethernet, IEEE 802.4 Token Bus; IEEE 802.5 Token ring, Digital Cellular, Radio: GSM, CDMA, FDDI ,	Revision
2	Ms. Suman	Computer Science	DBMS (Software Laboratory)	
	BCA 2ND SEM	Feb.	Program 1	
			Program 2	
			Program 3	
			Program 4	
			Program 5	
		March	Program 6	
			Program 7	
			Program 8	
			Program 9	
			Program 10	
			Program 11	
		April	Program 12	
			Program 13	
			Viva	
		May	Program 14	
			Viva	
3	Ms. Suman	Computer Science	DBMS	
	BCA 2ND SEM	Feb.	Definition of Data Base and Data Base Management System, File Systems vs. DMBS, Characteristics of the Database Approach, Abstraction and Data Integration, Database users, Advantages and Disadvantages of DBMS.	
			Database Systems Concepts and Architecture: Data Models, Schema and Instances, DBMS architecture, Data Independence, Database languages, DBMS functions.Purpose of ER Model, Entity Types, Entity Sets, Attributes, keys,Relationships, Roles and Structural Constraints, E-R Diagrams, Design of an ER Database Schema, Reduction of an ER schema to Tables	

March	Database Schema, Reduction of an ER Schema to Tables. Relational Data Model: Relational Model Concepts.	(I-Assignment)
April	Integrity Constraints over Relations, Relational Algebra – Basic Operations. Data Definition and Data Types, DDL, DML, and DCL, Views & Queries in SQL, Specifying Constraints & Indexes in SQL. Relational Database Management System: ORACLE Basic structure, Storage Management in ORACLE Database Structure & implementation in ORACLE, Programming ORACLE Applications. Conventional Data Models: Network and Hierarchical Data Models.	(II-Assignment) (Class Test)
May	Functional Dependencies, Decomposition, Normal forms based on primary keys- (1NF, 2NF, 3NF, BCNF), Multi-valued Dependencies, 4 NF, Join dependencies, 5 NF. Transaction Processing Concepts: Introduction to Transaction Properties of Transaction, Transaction Processing System Concepts, Schedules and Recoverability, Serializability of Schedules.	Revision

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

G.C. JIND ACADEMIC SESSION 2022-23. FEB TO May-2023

Sr. NO	Name of the Assistant / Associate Professor / Class	Subject/Month	Topic/ Chapters to be covered
1	Ms. PUSHPA RANI	Computer Science	Practical of Web Design
	PGDCA(WEB-DESIGN)	Feb	INTRODUCTION
			Program 1
			Program 2
			Program 3
		March	Program 4
			Program 5
			Program 6
		April	Practical file checking
			Program 7
			Program 8
			Program 9
		May	Program 10
			Program 11
			Program 12
			Program 13
	Program 14		
		Program 15	
		Practical file checking	

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

G.C. JIND ACADEMIC SESSION 2022-23 FEB TO MAY-2023

Sr. NO	Name of the Assistant / Associate Professor / Class	Subject/Month	Topic/ Chapters to be covered
1	Ms. PUSHPA RANI	Computer Science	WEB-DESIGN
	PGDCA(WEB-DESIGN)	FEB	Internet Basics: The Internet and its Advantages disadvantages, Basic Internet Protocols, World Wide Web, URL, Web Page, Web Browser, Web Servers, Client-Server model, FTP, Telnet, Search Engine.
			Mark Up Languages: Introduction to HyperText Markup Language (HTML), Elements, Lists, Tables, Linking documents, Frames, Forms, Creating HTML pages
		MARCH	Dynamic Hypertext Mark Up language: Cascading Style Sheets: Features, Core Syntax, Types, Style Sheets and HTML, StyleRules -Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow, Box Layout, Positioning and other useful-Style Properties.

		APRIL	Client-Side Programming: Introduction to JavaScript, Perspective, Basic Syntax, Data Types, Variables Statements, Operators, Literals, Control statements, Functions, Arrays, Document Object Model, Built-in Objects.
		MAY	XML: Relation between XML, HTML, SGML, Goals of XML, Structure and Syntax of XML, Well Formed XML, DTD and its Structure, Namespaces and Data Typing in XML, Transforming XML Documents. XPATH.

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

G.C, JIND ACADEMIC SESSION 2022-23 FEB TO MAY 2023

Sr. NO	Name of the Assistant / Associate Professor / Class	Subject/Month	Topic/ Chapters to be covered
1	Ms. PUSHPA RANI	Computer Science	COMPUTER NETWORK(1-3)
	BCA 4TH SEM	FEB	Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies; Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways; Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services; OSI Reference Model; Networking Models: Distributed Systems, Client/Server Model, Peer-to-Peer Model, Web-Based Model and Emerging File-Sharing Model;
2		MARCH	Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate; Transmission Impairment; Data Rate Limits; Guided Transmission Media; Wireless Transmission ; Communication Satellites; Switching and Multiplexing; Modems and Modulation techniques; ADSL and Cable Modems;
3		APRIL	Data Link Layer Design issues; Error Detection and Correction; Sliding Window Protocols: One-bit, Go Back N and Selective Repeat; Media Access Control: ALOHA, Slotted ALOHA, CSMA, Collision free protocols; Introduction to LAN technologies: Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring; Introduction to Wireless LANs and Bluetooth; VLANs . ASSIGNMENT 1 AND TEST CONDUCTED.
			Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing,

4		MAY	Hierarchical Routing; Congestion Control; Traffic shaping; Choke packets; Load shedding; Elements of Transport Protocols; Network Security Issues: Security attacks; Encryption methods; Digital Signature; Digital Certificate. ASSIGNMENT 2 TAKEN
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SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

G.C, JIND ACADEMIC SESSION 2022-23 FEB TO MAY 2023

Sr. NO	Name of the Assistant / Associate Professor / Class	Subject/Month	Topic/ Chapters to be covered
1	Ms. PUSHPA RANI	Computer Science	OPERATING SYSTEM(4-6)
	PGDCA 2nd Sem	FEB	Operating System Services, System Calls, System Programs, Process concepts, Process operations, Interprocess Communication, Scheduling Criteria, Scheduling Algorithms, Comparative Study of Scheduling Algorithms.
2		MARCH	Critical Section Problem, Semaphores, Classical Process Co-ordination Problems and their Solutions, Monitors, Synchronization Examples. Deadlocks: Deadlock Characterization, Deadlock Prevention and Avoidance, Deadlock detection and Recovery
3		APRIL	Swapping, Paging, Segmentation, Virtual Memory Concepts: Demand Paging, Page Replacement Algorithms, Thrashing, Storage Management: File Concepts, File Access and Allocation Methods. ASSIGNMENT 1 AND TEST CONDUCTED.
4		MAY	Introduction, Class templates and Function templates, Overloading of templatefunction, namespaces (II-Assingment) Disk Structure, Disk Scheduling algorithm: FCFS, SSTF, ASSIGNMENT 2nd.

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF FACULTY: MANOJ CHAHAL (Extension Lecturer)

NAME OF THE COLLEGE: GOVT. COLLEGE, JIND

NAME OF DEPARTMENT: COMPUTER SC.

ACADEMIC SESSION: 2022-23

SEMESTER: EVEN

Sr. No.	Name of the Assistant / Associate Professor / Class	Subject/week/month	Topic/ Chapters to be covered	Academic activities to be organized	Topic of Assignments/ Tests to be given
1	BCA 4th Sem Subject Code: BCA-19-44 Subject Name: Client Side Scripting	February	Introduction to scripting: overview of Java Script, advantages, client side java Script, capturing user input, writing JavaScript into HTML		
		March	Basic JavaScript Techniques: Data types, literals, variables and operators, Java Script arrays, dense array, operators, expressionsJava Script Programming Construct: Assignment, data declaration, if, switch, while, for, do while, label, break, Continue, function call, return, with, delete, method invocation.		
		First Week of March			(I-Assignment)
		April	JavaScript Functions: Types of functions in Java Script-Built in functions, User defined functions, function declaration, passing parameters, variable scope, return values, recursive functions.Dialog boxes: Alert dialog box, prompt dialog box, confirm dialog box, window objects JavaScript Document Object Model: Understanding JDOM Forms: Form object, properties and methods , elements: text, password, button, submit, reset, checkbox, Radio, Text Area, select & option, Other built-in Object-String object, math object, date object		
		First Week of April			(unit test)
		May	User defined objects: creation, instances, and objects within objects Cookies: Concept of cookies, setting a cookie, supply values to cookies. Errors and Debugging: Error, Error Handling and Debugging		
		First week of May			(II-Assignment)
2	BCA. 2nd Sem Subject Name: MODELING AND SIMULATION	February	System and System Environment, Components of a System, Discrete and Continuous System, Models of System and Types of Models,		
		March	Discrete Event System Simulation, Advantages and Disadvantages of Simulation, Areas of Applications.		

		First Week of March			(I-Assignment)
		April	Techniques of Simulation: Properties of Random Numbers, Techniques of Generating Random Numbers, Pseudo Random Numbers, Monte Carlo Method, Types of System Simulation, Real Time Simulation, Stochastic Variables, Discrete Probability Functions. Useful Statistical Models, Discrete Distributions, Continuous Distributions		
		First Week of April			(unit test)
		May	Poisson's Process, Empirical Distributions Queuing Models: Characteristics of Queuing Systems, Queuing Notations, Measure of Performance of Queuing Systems, Steady State Behavior of Infinite Population Markovian Model.		
		First week of May			(II-Assignment)
3	B.Com. 2nd Sem Paper-BC-204 Subject Name: E-COMMERCE	February	Introduction to internet: concept, application and uses of Internet, Internet services, Information Technology and Business: concepts of data, information and information system AND Effects of IT on business;		
		March			
		First Week of March			(I-Assignment)
		April	Types of information system: Transaction Processing System (TPS) Management Information System (MIS). Introduction to E-commerce; e-commerce and world wide web; e-commerce application services;		
		First Week of April			(unit test)
		May	commerce models: B2B, B2C, C2C; electronic data interchange: benefits components of EDI, EDI implementation, security issues in e-commerce. M-commerce and e-governance: an overview.		
		First week of May			(II-Assignment)
4	BCA 4TH Sem (G1,G2) Semester System	February	Introduction Program 1		

Practical Lab: Java & CSS	March	Program 2		
		Program 3		
		Program 4		
		Program 5		
		Program 6		
	April	Program 7		
		Program 8		
		Program 9		
		Program 10		
	May	Program 11		
		Program 12		
		Practice & Viva		
		Practice & Viva		

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF FACULTY: KAMLESH (Extension Lecturer)
 NAME OF THE COLLEGE: GOVT. COLLEGE, JIND
 NAME OF DEPARTMENT: COMPUTER SC.
 ACADEMIC SESSION: 2022-23
 SEMESTER: EVEN

Sr. No.	Name of the Assistant / Associate Professor / Class	Subject/week/month	Topic/ Chapters to be covered
1	BCA 4th Sem Subject Code: BCA19-41 Subject Name: JAVA PROGRAMMING	February	Introduction: Java Features, Java Virtual Machine(JVM), Byte code, Java API, Java Development Kit (JDK), Garbage Collection.
		March	Language Basics: Keywords, Constants, Variables and Data Types, Operators and Expressions, Decision Making , Branching and Looping. Introducing Classes, Objects and Methods: Defining a Class, Methods Declaration, Creating Objects and accessing Class members, Constructors, Methods Overloading, Wrapper Classes, Inheritance, Methods Overriding, Final Class, variables and methods, Abstract Class and Methods, Interfaces.
		First Week of March	
		April	Arrays, Strings and Vectors: Creating and using Arrays, String operations, String Buffer, String Builder, and StringTokenizer class, Vector class. Packages and Exceptions: Java API packages, Creating and using packages, static import, Exceptions handling, Types of Exceptions, multiple catch statements, 'throw' and 'throws', using 'finally' statement, Creating your own exceptions. & Multithreaded Programming: Single threaded and multi-threaded program, Creating threads using Thread class, Life cycle of a Thread, Stopping and blocking a Tread, getting and setting the Thread Priority, Synchronization, implementing the Runnable interface. Managing Input/Output Streams: Concept of streams, Byte and Character streams, Reading and Writing from Console and Files. Input output exceptions
		First Week of April	
		May	Applet Programming: How Applets differs from Java Application, Applet Life Cycle, APPLET Tag, Running an Applet, Passing Parameters to Applet. Event Handling: Mechanism, The Delegation Event Model, Event Classes, Event Listener Interfaces, Adapter and inner classes. GUI Programming: Working with Frame Window, Graphics and Text, AWT Controls and classes.
		First week of May	
2	BCA. 2nd Sem Subject Name: DATA STRUCTURE THROUGH C	February	Arrays and Strings: Array definition and its types, declaration & Initialization of one-dimensional and two-dimensional array, Pointer to Array, String definition, reading and writing strings, string handling functions. Linear Search, Binary Search, Bubble Sort, Selection Sort, Insertion Sort, Merge Sort
		March	UNIT-II Stacks and Queues : Representation of Stacks, Stack Operations, Applications of Stacks, Queues, Dequeue, Circular Queue, Operation on Queues, Application of Queues. Linked List : Introduction, Types, Operations (Insertion, Deletion, Traversal, Searching, Sorting), Applications, Dynamic Memory Management, Implementation of Linked Representation.
		First Week of March	
		April	UNIT-III Trees: Definition and Basic Terminologies, Representation of Tree, Types of Tree, Binary Tree, Representation of Binary Tree, Tree Traversals, Creation of tree from traversals, Threaded Binary Tree, Binary Search Tree, Operations on Binary Search Tree, Conversion of General Tree to Binary Tree
		First Week of April	
		May	
		First week of May	
3	B.Com. 2nd Sem Paper-BC-204 Subject Name: E-COMMERCE	February	Introduction to internet: concept, application and uses of Internet, Internet services, Information Technology and Business: concepts of data, information and information system AND of IT on business;
		March	
		First Week of	

		March	
		April	Types of information system: Transaction Processing System (TPS) Management Information System (MIS). Introduction to E-commerce; e-commerce and world wide web; e-commerce application services;
		First Week of April	
		May	Graph : Definitions and Basic Terminologies, Matrix Representation of Graph, Walks, Traits, Paths, Circuit, Connectivity, Components, Operations on Graph, Labelled Graph, Homomorphism, Isomorphism, , Reachability, Depth First Search, Breadth First Search, Single Pair Shortest Path, All Pair Shortest Path
		First week of May	
4	BCA 2ND Sem (G1,G2,G3) Semester System Practical Lab: DATA STRUCTURE THROUGH C	February	Introduction Program 1
		March	Program 2
	Program 3		
	Program 4		
		April	Program 5
	Program 6		
	Program 7		
		May	Program 8
	Program 9		
	Program 10		
		May	Program 11
	Program 12		
	Practice & Viva		
			Practice & Viva

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF FACULTY: Ms. Poonam (Extension Lecturer)

NAME OF THE COLLEGE: GOVT. COLLEGE, JIND

NAME OF DEPARTMENT: COMPUTER SC.

ACADEMIC SESSION: 2022-23

SEMESTER: EVEN

Sr. No.	Name of the Assistant / Associate Professor / Class	Subject/week/month	Topic/ Chapters to be covered	Academic activities to be organized	Topic of Assignments/ Tests to be given
1	BCA 4th Sem Subject Code: BCA-19-45 Subject Name: Internet Technologies	February	Introduction to ASP.NET: .NET Framework(CLR,CLI,BCL), ASP.NETBasics, ASP.NET PageStructure, PageLifeCycle and Controls:		
		March	HTML Server Controls, WebServer Controls, WebUser Controls, Validation Controls, Custom Web Controls.		
		First Week of March			(I-Assignment)
		April	State Management: View State, Control State, Hidden Fields, Cookies, QueryStrings, Application State, Session State, Profile Properties, Master Pages, Themes, Site Navigation. Security and User Authentication: Basic Security Guidelines, Securing ASP.NET Applications, ASP.NET Memberships and Roles		
		First Week of April			(unit test)
		May	Introduction to ADO.NET, DataBinding, Importing the SQLClient Namespace, Defining the Database Connection, Managing Content Using Grid View and Details View Working with Files and Email: Writing and Reading Text Files, Uploading Files, Sending Email with ASP.NET. Introduction to Web Services, Ajax, Silverlight		
		First week of May			(II-Assignment)

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF FACULTY: Ms. Poonam (Extension Lecturer)

NAME OF THE COLLEGE: GOVT. COLLEGE, JIND

NAME OF DEPARTMENT: COMPUTER SC.

ACADEMIC SESSION: 2022-23

SEMESTER: EVEN

2	B.Sc. 2nd Sem Paper-I Subject Name: Programming in C	February	Overview of C: History & Importance of C, Structure of a C Program. Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant. Input/output: Unformatted & formatted I/O function, Input functions (scanf(), getch(), getche(), getchar(), gets()), output functions (printf(), putchar(), puts()).		
		March			
		First Week of March			(I-Assignment)
		April	Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, conditional operators and special operators. Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity. Decision making & branching: Decision making with IF statement		
		First Week of April			(unit test)
		May	IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, goto statement. Decision making & looping: For, while do-while loop, jumps in loops, break, continue statement. Functions: Definition, prototype, passing Parameters.recursion Storage classes in C: auto, extern, register and static storage class, their scope, storage, & lifetime. Arrays: Definition, types, initialization, processing an array. Structure and Union.		
		First week of May			(II-Assignment)

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF FACULTY: Ms. Poonam (Extension Lecturer)

NAME OF THE COLLEGE: GOVT. COLLEGE, JIND

NAME OF DEPARTMENT: COMPUTER SC.

ACADEMIC SESSION: 2022-23

SEMESTER: EVEN

3	B.Sc. 2nd Sem Paper-II Subject Name: Logical Organisation of Computer	February	Information Representation: Number Systems Binary Arithmetic, Fixed-point and Floating point representation of numbers BCD Codes, Error detecting and correcting codes Character Representation – ASCII, EBCDIC. Binary Logic: Boolean Algebra, Boolean Theorems Boolean Functions and Truth Tables		
		March			
		First Week of March			(I-Assignment)
		April	Canonical and Standard forms of Boolean functions, Simplification of Boolean Functions Venn Diagram, Karnaugh Maps Digital Logic: Basic Gates – AND, OR, NOT, Universal Gates – NAND, NOR Other Gates – XOR, XNOR etc. Combinational Circuits: Half-Adder, Full-Adder, Half Subtractor, Full-Subtractor Encoders, Decoders, Multiplexers, Demultiplexers, Comparators, Code Converters		
		First Week of April			(unit test)
		May	Sequential Logic: Characteristics, Flip-Flops, Clocked RS, D type, JK, T type Master Slave flip-flops. State table, state diagram. Flip-flop excitation tables Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N Counters and Up-Down Counters Shift registers : serial in parallel out and parallel in parallel out..		
		First week of May			(II-Assignment)

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF FACULTY: Ms. Poonam (Extension Lecturer)

NAME OF THE COLLEGE: GOVT. COLLEGE, JIND

NAME OF DEPARTMENT: COMPUTER SC.

ACADEMIC SESSION: 2022-23

SEMESTER: EVEN

4	B.Com. 2nd Sem Paper-BC-204 Subject Name: E-COMMERCE	February	Introduction to internet: concept, application and uses of Internet, Internet services, Information Technology and Business: concepts of data, information and information system AND Effects of IT on business;		
		March			
		First Week of March			(I-Assignment)
		April	Types of information system: Transaction Processing System (TPS) Management Information System (MIS). Introduction to E-commerce; e-commerce and world wide web; e-commerce application services;		
		First Week of April			(unit test)
		May	commerce models: B2B, B2C, C2C; electronic data interchange: benefits components of EDI, EDI implementation, security issues in e-commerce. M-commerce and e-governance: an overview.		
		First week of May			(II-Assignment)
5	B.Sc 2nd Sem (G1,G2,G3) Annual System Practical Lab: Programming in C	February	Introduction Program 1		
		March	Program 2		
			Program 3		
			Program 4		
			Program 5		
		April	Program 6		
			Program 7		
			Program 8		
		May	Program 9		
			Program 10		
			Program 11		
			Program 12		
			Practice & Viva		
Practice & Viva					

SUMMARY OF LESSON PLAN OF COLLEGE FACULTY

NAME OF THE COLLEGE- GOVT. COLLEGE, JIND ACADEMIC SESSION 2022-23
SEMESTER EVEN FOR THE MONTH OF FEB TO JUNE 2023

Sr. No.	Name of the Professor/ Lecturer/Class	Subject/week/ month	Topic/ Chapters to be covered	Academic activities to be organized	Topic of Assignments/ Tests to be given
1	Ms Sharmila Devi		Computer Organization		
	BCA 2nd Sem	Feb-March	Memory Organization: Hierarchical memory system , associative memory,direct and set associative mappings, replacing & writing data in cache, cache performance. I/O Organization: I/O interface, Interrupt structure, transfer of information between CpU/memory and I/O devices, and IOPs		
		1st week of April			(I- Assignment)
		April	Processor organization, Machine instructions, instruction cycles, instruction formats and addressing modes, micro programming concepts, Control Design: Hardwired Control – classical method, one-hot Microprogrammed,structure of a micro programmed control unit, horizontal versus vertical micro instruction formats, microinstruction addressing.		
		Last week of April			(unit test)
		May	Types and levels of parallelism, Instruction Level Parallel (ILP) processors, dependencies between instructions, principle and general structure of pipelines,Hardware implementation and algorithms for addition and subtraction, multiplication , array multiplier, division for signed magnitude data, divide overflow. Hardware implementation and algorithms for floating point addition, subtraction,multiplication and division		
		First Week of May			(II- Assignment)
2	Ms Sharmila Devi	Computer Science	Operating System/C++		
	B.Sc. 4th Sem (OS and C++)	Feb-March	Object oriented Programming: Features and benefits, Class and Objects, Data Hiding & Encapsulation,Structures, Data members and Member functions, Scope resolution operator and its significance, operating system, architecture, functions, characteristics, historical evolution.types: Serial batch, multiprogramming, time sharing, real time, distributed and parallel. OS asresource Manager.Computer system structures: I/O structure, storage structure, storage hierarchy.		
		1st week of April			(I Assignment)
		April	Static Data Members, Static member functions. Constructor, Process management, process control block,process scheduling, inter process communication. CPU Scheduling, Deadlocks: Characterization, methods of handling deadlock. Destructors, Console I/O: Hierarchy of Console Stream Classes, Friend Function, Friend Class, Arrays, Array of Objects,		
		Last week of April			(unit test)
		May	String Handling in C++, Dynamic Memory Management: Pointers, new and delete Operator, Array of Pointers to Objects, thisPointer, Passing Parameters to Functions by Reference & pointers. swapping, pagingmsegmentation, virtual memory, Page replacementAlgorithms, Thrashing. Process synchronization. Overloading.Polymorphism. File access and allocation methods, Directory System.		
		FirstWeek of May			(II Assignment)

3	Ms Sharmila Devi	Computer Science	E-Commerce			
	B.Com 2nd sem	Feb-March	Introduction to internet: concept, application and uses of Internet, Internet services.Information Technology and Business: concepts of data, information and information system, effects of IT on business.			
		1st week of April			(I Assignment)	
		April	Types of information system: Transaction Processing System (TPS), Management Information System (MIS).Introduction to E-commerce; e-			
		Last week of April				(II- Assignment)
		May	e-commerce application services; e commerce models: B2B, B2C, C2C; electronic data interchange: benefits, components of EDI, EDI implementation, security issues in e-commerce.M-commerce and e-governance: an overview , Practical			
		Last Week of May				(unit test)
4	Ms Sharmila Devi	Computer Science	C++ Lab			
	Bsc 4th Sem	Feb-March	Program 1			
			Program 2			
			Program 3			
			Program 4			
			Program 5			
		April	Program 6			
			Program 7			
			Program 8			
			Program 9			
			Program 10			
		May	Program 11			
			Program 12			
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