Govt. College, Aharwala (Bilaspur)
Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Dr. Sunil Taneja**
Department	**Computer Science**
Class & Section	**BCA-I**
Subject and Code	**Foundations of Computer Science B23-CAP-102**
Semester	**Odd Semester**

Topics

25th July 2023 to August 2023

Computer Fundamentals: Evolution of Computers through generations, Characteristics of Computers, Strengths and Limitations of Computers, Classification of Computers, Functional Components of a Computer System, Applications of computers in Various Fields. Types of Software: System software, Application software, Utility Software, Shareware, Freeware, Firmware, Free Software.

Memory Systems: Concept of bit, byte, word, nibble, storage locations and addresses, measuring units of storage capacity, access time, concept of memory hierarchy. Primary Memory - RAM, ROM, PROM, EPROM. Secondary Memory - Types of storage devices, Magnetic Tape, Hard Disk, Optical Disk, Flash Memory.

September 2023

I/O Devices: I/O Ports of a Desk Top Computer, Device Controller, Device Driver. Input Devices: classification and use, keyboard, pointing devices - mouse, touch pad and track ball, joystick, magnetic stripes, scanner, digital camera, and microphone Output Devices: speaker, monitor, printers: classification, laser, ink jet, dot-matrix. Plotter.

Introduction to Operating System: Definition, Functions, Features of Operating System, Icon, Folder, File, Start Button, Task Bar, Status Buttons, Folders, Shortcuts, Recycle Bin, Desktop, My Computer, My Documents, Windows Explorer, Control Panel.

October 2023

The Internet: Introduction to networks and internet, history, Internet, Intranet & Extranet, Working of Internet, Modes of Connecting to Internet.

Electronic Mail: Introduction, advantages and disadvantages, User Ids, Passwords, e-mail addresses, message components, message composition, mailer features. Browsers and search engines.

November 2023

Threats: Physical & non-physical threats, Virus, Worm, Trojan, Spyware, Keylogers, Rootkits, Adware, Cookies, Phishing, Hacking, Cracking.

Computer Security Fundamentals: Confidentiality, Integrity, Authentication, Non-Repudiation

December 2023 / January 2024

Security Mechanisms, Security Awareness, Security Policy, Anti-virus software & Firewalls, backup & recovery.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Dr. Amit Kapoor**
Department	**Computer Science**
Class & Section	**BCA III Sem**
Subject and Code	**Object Oriented Programming using C++**
Semester Duration	**Jul 23 to December 23**

Topics

Month of July

- Object oriented Programming: Object-Oriented programming features and benefits. Object-Oriented features of C++

Month of August

- Class and Objects, Data Hiding & Encapsulation, Structures,
- Data members and Member functions, Scope resolution operator and its significance,
- Static Data Members, Static member functions,
- Nested and Local Class,
- Accessing Members of Class and Structure.

Month of September

- Constructor, Initialization using constructor,
- types of constructor– Default, Parameterized & Copy Constructors, Constructor overloading,
- Default Values to Parameters, Destructors,
- Console I/O: Hierarchy of Console Stream Classes,
- Unformatted and Formatted I/O Operations.

Month of October

- Manipulators, Friend Function, Friend Class,
- Arrays, Array of Objects, Passing and Returning Objects to Functions,
- String Handling in C++, Dynamic Memory Management: Pointers, new and delete Operator,
- Array of Pointers to Objects, this Pointer,
- Passing Parameters to Functions by Reference & pointers.

Month of November

- Polymorphism: Operators in C++, Precedence and Associativity Rules,
- Operator Overloading, Unary & Binary Operators Overloading,
- Function Overloading, Inline Functions
- Revision, Important Question Discussion, last Years Q/Paper Discussion

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Dr. Amit Kapoor**
Department	**Computer Science**
Class & Section	**BCA V Sem**
Subject and Code	**Operating System-I**
Semester Duration	**Jul 23 to December 23**

Topics

Month of July

- Operating System: Definition, Characteristics, Components, Functions, Examples; Types of Operating System: Single User/Multi User,

Month of August

- Classification of Operating System: Batch, Multiprogrammed, Timesharing, Multiprocessing, Parallel, Distributed, Real Time
- System Calls and System Programs: Process Control, File Manipulation, Device Manipulation, Information Maintenance, Communications
- Process Management: Process concept, Process states and Process Control Block; Process Scheduling: Scheduling Queues, Schedulers, Context Switch; Operation on Processes: Process Creation, Process Termination; Cooperating Processes, Introduction to Threads, Inter-process Communication;

Month of September

- CPUScheduling: Basic Concepts, Scheduling Criteria, Scheduling Algorithms: FCFS, SJF, Priority, Round-Robin, Multilevel Queue, Multilevel Feedback Queue Scheduling
- Deadlocks: System Model, Deadlock Characterization, Methods of Handling Deadlocks,
- Deadlock Prevention, Deadlock Avoidance,
- Deadlock Detection and Recovery
- Memory Management: Introduction, Swapping, Contiguous Allocation: Single-Partition/Multiple Partition Allocation, External/Internal Fragmentation;

Month of October

- Paging: Basic Method, Hardware, Implementation of Page table;
- Segmentation: Basic Method, Hardware, Implementation of Segment Table, Advantages/Disadvantages of Paging/Segmentation
- Virtual Memory: Introduction, Demand Paging, Page Replacement,

Month of November

- Page Replacement Algorithms: FIFO, Optimal, LRU, Counting; Thrashing and its cause;
- File Management: File Concepts, File Attributes, File Operations, File Types,
- File Access/Allocation Methods, File Protection, File Recovery
- Revision, Important Question Discussion, last Years Q/Paper Discussion

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr. Amit Kapoor
Department	Computer Science
Class & Section	BCom(CAV) V Sem
Subject and Code	System Analysis and Design
Semester Duration	Jul 23 to December 23

Topics

Month of July

- SAD: definition of system, characteristics

Month of August

- System elements, types of system,
- system development life cycle;
- Feasibility Study: techno-economic feasibility;
- role of system analyst

Month of September

- Process of logical and physical design,
- form design: input, output, form

Month of October

- System testing,
- Auditing,
- System maintenance,

Month of November

- Threats to security, control measures.
- Revision, Important Question Discussion, last Years Q/Paper Discussion

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Amit Kumar
Department	**Computer Science**
Class & Section	**BCA 1st Semester**
Subject and Code	BCA & B23-CAP-101 (Problem Solving through C)
Semester Duration	**July 2023 to December 2023**

Topics

Month of July

Overview of C: History, Importance, Structure of C Program, Character Set, Constants and Variables, Identifiers and Keywords.

Month of August

Data Types, Assignment Statement, Symbolic Constant. Input/output: Formatted I/O Function-, Input Functions viz. scanf(), getch(), getche(), getchar(), gets(), output functions viz. printf(), putch(), putchar(), puts().

Month of September

Operators & Expression: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment, Conditional Operators and Special Operators Operator Hierarchy; Arithmetic Expressions, Evaluation of Arithmetic Expression, Type Casting and Conversion. Decision making with if statement

Month of October

ifelse statement, nested if statement, else-if ladder, switch and break statement, goto statement, Looping Statements: for, while, and dowhile loop, jumps in loops. 10 III Arrays: One Dimensional arrays - Declaration, Initialization and Memory representation; Two Dimensional arrays -Declaration, Initialization and Memory representation.

Month of November

Functions: definition, prototype, function call, passing arguments to a function: call by value; call by reference, recursive functions. Strings: Declaration and Initialization, String I/O, Array of Strings, String Manipulation Functions: String Length, Copy, Compare, Concatenate etc., Search for a Substring.

Month of December

Pointers in C: Declaring and initializing pointers, accessing address and value of variables using pointers; Pointers and Arrays. User defined data types: Structures - Definition, Advantages of Structure, declaring structure variables, accessing structure members, Structure members initialization, Array of Structures; Unions - Union definition; difference between Structure and Union.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Amit Kumar**
Department	**Computer Science**
Class & Section	**BCA 3rd Semester**
Subject and Code	SOFTWARE ENGINEERING (BCA – 234)
Semester Duration	**July 2023 to November 2023**

Topics

Month of July

Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes, Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance

Month of August

Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics. UNIT – II Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS,

Month of September

Components of an SRS, Problem Analysis, Information gathering tools, Organizing and structuring information, Requirement specification, validation and Verification. SCM

Month of October

Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision tress, Structured English, Entity-Relationship diagrams, Cohesion and Coupling. Gantt chart, PERT Chart, Software Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.

Month of November

Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management. Software testing strategies: unit testing, integration testing, Validation testing, System testing, Alpha and Beta testing.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Amit Kumar**
Department	**Computer Science**
Class & Section	**B.COM CAV 3rd Semester**
Subject and Code	FUNDAMENTALS OF DATABASE MANAGEMENT SYSTEM & (BC (Voc)-306)
Semester Duration	**July 2023 to November 2023**

Topics

Month of July

Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes, Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance

Month of August

Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics. UNIT – II Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS,

Month of September

Components of an SRS, Problem Analysis, Information gathering tools, Organizing and structuring information, Requirement specification, validation and Verification. SCM

Month of October

Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision tress, Structured English, Entity-Relationship diagrams, Cohesion and Coupling. Gantt chart, PERT Chart, Software Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.

Month of November

Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management. Software testing strategies: unit testing, integration testing, Validation testing, System testing, Alpha and Beta testing.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BA COMPUTER SCIENCE 3RD SEM
Subject and Code	Data Structures, PAPER- I
Semester Duration	Month of July, August, September, October, November

Topics

Month of July (25 july onward)

Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations, Applications of data structures.

Month of August

Algorithms complexity and time-space tradeoff, Big-O notation. Strings: Introduction, strings, String operations, Pattern matching algorithms, Arrays: Introduction, Linear arrays, Representation of linear array in memory, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparse matrix.

Month of September

Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory, Traversal, Insertion, Deletion, Searching in a linked list, Header linked list, Circular linked list, Two-way linked list, Garbage collection, Applications of linked lists. Algorithm of insertion/ deletion in SLL., Stack: primitive operation on stack, algorithms for push and pop. Representation of Stack as Linked List and array.

Month of October

Stacks applications : polish notation, recursion. Introduction to queues, Primitive Operations on the Queues, Circular queue, Priority queue, Representation of Queues as Linked List and array, Applications of queue. Algorithm on insertion and deletion in simple queue and circular queue., Trees - Basic Terminology, representation, Binary Trees

Month of November

Tree Representations using Array & Linked List, Basic operation on Binary tree, Traversal of binary trees:- In order, Preorder & post order, Applications of Binary tree. Algorithm of tree traversal with and without recursion. Introduction to graphs, Definition, Terminology, Directed, Undirected & Weighted graph, Representation of graphs.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BA COMPUTER SCIENCE 3RD SEM
Subject and Code	SOFTWARE ENGINEERING, PAPER -II
Semester Duration	Month of July, August, September, October, November

Topics

Month of July (25 july onward)

Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes

Month of August

Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance, Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics, Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS

Month of September

Components of an SRS, Problem Analysis, Information gathering tools, Organising and structuring information, Requirement specification, validation and metrics. Cohesion & Coupling, Classification of Cohesiveness & Coupling, Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision trees, Structured English, Entity-Relationship diagrams

Month of October

Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management., Software testing strategies: unit testing, integration testing, V and V.

Month of November

System testing, Alpha and Beta testing. Black box, white box testing. Cyclomatic Complexity. Software Implementation and Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BCA 3RD SEM
Subject and Code	COMPUTER ARCHITECTURE, BCA – 233
Semester Duration	Month of July,August,September,October,November

Topics

Month of July(25 July Onward)

Basic Computer Organisation and Design: Instruction Codes, Computer registers, Computer Instructions, Timing and Control

Month of August

Instruction Cycle, Memory reference instructions, Input-Output and Interrupt, Design of Basic computer, Design of accumulator logic., Register Transfer and Microoperations: Register Transfer Language (RTL), register transfer, Bus and Memory Transfers.

Month of September

Arithmetic Microoperations, Logic Microoperations, Shift Microoperations, Arithmetic Logic Shift Unit, Microprogrammed Control: Control memory; address sequencing, microprogram sequencer, Design of Control Unit, Central Processing Unit: General registers Organization, Stack Organization.

Month of October

Instruction formats, Addressing Modes, Data Transfer and Manipulation, Program Control, Program Interrupt, RISC, CISC, Memory Organization: Memory hierarchy, Auxiliary Memory, Associative Memory, Interleaved memory

Month of November

Cache memory, Virtual Memory, Memory Management Hardware, Input Output Organization : Peripheral devices , Input-Output Interface, Asynchronous data transfer, Modes of Transfer, Priority Interrupt, Direct Memory Access(DMA),Input-Output Processor(IOP).

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BCA 5th SEM
Subject and Code	Artificial Intelligence, BCA-353
Semester Duration	Month of July, August, September, October, November

Topics

Month of July (25 july onward)

Artificial Intelligence : Intelligence, AI Concepts, Various definitions of AI, Knowledge, Knowledge Pyramid, People and Computers: What computers can do better that people, what people can do better than computers

Month of August

Characteristics of AI Problems, Problem Representation in AI, Components of AI, AI Evolution, Application Areas of AI, History of AI, The Turing Test, The Revised Turing Test, Expert System: Components of Expert System: Knowledge Base, Inference Engine, User Interface, Features of Expert System, Expert System Life Cycle.

Month of September

Categories of Expert System, Rule Based vs. Model Based Expert Systems, Advantages/Limitations of Expert System, Developing an Expert System: Identification, Conceptualization, Formalization, Implementation, Testing, Using an Expert System, Application Areas of Expert System.

Month of October

AI and Search Process: Brute Force Search – Depth First/Breadth First Search, Heuristic Search: Hill Climbing, Constraint Satisfaction, Mean End Analysis, Best First Search, A* Algorithm, AO* Algorithm, Beam Search, Natural Language Processing: Introduction, Need, Goal.

Month of November

Fundamental Problems in Natural Language Understanding, How People overcome Natural Language Problems, Speech Recognition: Introduction, Advantages and Approaches, Introduction to Robotics: Parts of a Robot, Controlling a Robot, Intelligent Robots, Mobile Robots.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BCA 5th SEM
Subject and Code	Web Designing Fundamentals, BCA-351
Semester Duration	Month of July, August, September, October, November

Topics

Month of July (25 july onward)

Introduction to Internet and World Wide Web; Evolution and History of World Wide Web; Basic Features; Web Browsers; Web Servers.

Month of August

Hypertext Transfer Protocol; URLs; Searching and Web- Casting Techniques; Search Engines and Search Tools, Steps for Developing Website; Choosing the Contents; Home Page; Domain Names; Internet Service Provider; Planning and Designing Web Site

Month of September

Creating a Website; Web Publishing: Hosting Site, Introduction to HTML; Hypertext and HTML; HTML Document Features; HTML Tags; Header, Title, Body, Paragraph, Ordered/Unordered Line, Creating Links; Headers; Text Styles

Month of October

Text Structuring; Text Colors and Background; Formatting Text; Page layouts; Insertion of Text, Movement of Text, Images: Types of Images, Insertion of Image, Movement of Image, Ordered and Unordered lists

Month of November

Inserting Graphics; Table Handling Functions like Columns, Rows, Width, Colours; Frame Creation and Layouts; Working with Forms and Menus; Working with Buttons like Radio, Check Box

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BCA 5th SEM
Subject and Code	Artificial Intelligence, BCA-353
Semester Duration	Month of July, August, September, October, November

Topics

Month of July (25 july onward)

Artificial Intelligence : Intelligence, AI Concepts, Various definitions of AI, Knowledge, Knowledge Pyramid, People and Computers: What computers can do better that people, what people can do better than computers

Month of August

Characteristics of AI Problems, Problem Representation in AI, Components of AI, AI Evolution, Application Areas of AI, History of AI, The Turing Test, The Revised Turing Test, Expert System: Components of Expert System: Knowledge Base, Inference Engine, User Interface, Features of Expert System, Expert System Life Cycle.

Month of September

Categories of Expert System, Rule Based vs. Model Based Expert Systems, Advantages/Limitations of Expert System, Developing an Expert System: Identification, Conceptualization, Formalization, Implementation, Testing, Using an Expert System, Application Areas of Expert System.

Month of October

AI and Search Process: Brute Force Search – Depth First/Breadth First Search, Heuristic Search: Hill Climbing, Constraint Satisfaction, Mean End Analysis, Best First Search, A* Algorithm, AO* Algorithm, Beam Search, Natural Language Processing: Introduction, Need, Goal.

Month of November

Fundamental Problems in Natural Language Understanding, How People overcome Natural Language Problems, Speech Recognition: Introduction, Advantages and Approaches, Introduction to Robotics: Parts of a Robot, Controlling a Robot, Intelligent Robots, Mobile Robots.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BCA 1ST SEM(NEP)
Subject and Code	Logical Organization of Computer, B23-CAP-103
Semester Duration	Month of July, August, September, October, November,December,January

Topics

Month of July(25 July ONWARD)

Number Systems: Binary, Octal, Hexadecimal etc. Conversions from one number system to another, BCD Number System.

Month of August

BCD Codes: Natural Binary Code, Weighted Code, SelfComplimenting C, Error Detecting and Correcting Codes. Character representations: ASCII, EBCDIC and Unicode. Number Representations: Integer numbers - sign-magnitude, 1's & 2's complement representation. Real Numbers normalized floating point representations.

Month of September

Binary Arithmetic: Binary Addition, Binary Subtraction, Binary Multiplication, Binary Division using 1's and 2's Compliment representations, Addition and subtraction with BCD representations. Boolean Algebra: Boolean Algebra Postulates, basic Boolean Theorems, Boolean Expressions, Boolean Functions, Truth Tables, Canonical Representation of Boolean Expressions: SOP and POS

Month of October

Simplification of Boolean Expressions using Boolean Postulates & Theorems, Kaurnaugh-Maps (upto four variables), Handling Don't Care conditions., Logic Gates: Basic Logic Gates – AND, OR, NOT, Universal Gates – NAND, NOR, Other Gates – XOR, XNOR etc. Their symbols, truth tables and Boolean expressions

Month of November

Combinational Circuits: Design Procedures, Half Adder, Full Adder, Half Subtractor, Full Subtracor, Multiplexers, Demultiplexers, Decoder, Encoder, Comparators, Code Converters., Sequential Circuits: Basic Flip- Flops and their working. Synchronous and Asynchronous Flip –Flops, Triggering of FlipFlops, Clocked RS, D Type, JK, T type and Master-Slave Flip-Flops.

Month of December

State Table, State Diagram and State Equations. Flip-flops characteristics & Excitation Tables. Sequential Circuits: Designing registers –Serial-In Serial-Out (SISO), Serial-In Parallel-Out (SIPO), Parallel-In Serial-Out (PISO) Parallel-In Parallel-Out (PIPO) and shift registers.

Month of January

Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	NISHA RANI
Department	COMPUTER SCIENCE
Class & Section	BA 1ST SEM(NEP)
Subject and Code	Basic IT Tools, B23- SEC-103
Semester Duration	Month of July, August, September, October, November,December,January

Topics

Month of July (25 July ONWARD)

Introduction to Computer: Computer and Latest IT gadgets, Evolution of Computers & its applications, Basics of Hardware and Software

Month of August

Application Software, Systems Software, Utility Software. Central Processing Unit, Input devices, Output devices, Computer Memory & storage, Mobile Apps, Introduction to Operating System, Functions of the Operating system, Operating Systems for Desktop and Laptop, Operating Systems for Mobile Phone and Tablets, User Interface for Desktop and Laptop.

Month of September

Task Bar, Icons & shortcuts, Running an Application, Operating System Simple Setting, Changing System Date and Time, Changing Display Properties, To Add or Remove Program and Features, Adding, Removing & Sharing Printers, File and Folder Management, Introduction to Internet and World Wide Web.

Month of October

Basic of Computer Networks, Local Area Network (LAN), Wide Area Network (WAN), Network Topology, Internet, Applications of Internet, Website Address and URL, Popular Web Browsers (Internet Explorer/Edge, Chrome, Mozilla Firefox, Opera etc.), Popular Search Engines, Searching on the Internet.

Month of November

E-mail: Using E-mails, Opening Email account, Mailbox: Inbox and Outbox, Creating and Sending a new E-mail, replying to an E-mail message, forwarding an E-mail message, searching emails, Attaching files with email, Email Signature

Month of December

Social Networking: Facebook, Twitter, LinkedIn, Instagram, Instant Messaging (WhatsApp, Facebook Messenger, Telegram), Introduction to Blogs, Digital Locker.

Month of January

Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**BCA 3rd Semester**
Subject and Code	**Data structure, Paper Code: BCA-232**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations, Applications of data structures,

16th September 2022 - 30th September 2022

Algorithms complexity and time-space tradeoff, Big-O notation. Strings: Introduction, String strings, String operations, Pattern matching algorithms.

1st October 2022 - 15th October 2022

Arrays: Introduction, Linear arrays, Representation of linear array in memory, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparce matrics.

16th October 2022 - 31st October 2022

Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory, Traversal, Insertion, Deletion, Searching in a linked list

1st November 2022 - 15th November 2022

, Header linked list, Circular linked list, Two-way linked list, Garbage collection, Applications of linked lists. Algorithms for Insertion, deletion in array, Single linked list

16th November 2022 - 30th November 2022

Stack: Introduction, Array and linked representation of stacks, Operations on stacks, Applications of stacks: Polish notation,

1st December 2022 - 15th December 2022

Recursion. Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.

16th December 2022 - 24th December 2022

Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks and using recursion. Graph: Introduction, Graph theory terminology, Sequential and linked representation of graphs

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**BCA 3rd Semester**
Subject and Code	**SOFTWARE ENGINEERING , Paper Code: BCA-234**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes, Phases in Software development

16th September 2022 - 30th September 2022

Requirement Analysis, Software Design, Coding, Testing, Maintenance, Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics.

1st October 2022 - 15th October 2022

Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS, Components of an SRS, Problem Analysis, Information gathering tools, Organizing and structuring information, Requirement specification, validation and Verification. . SCM

16th October 2022 - 31st October 2022

Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision tress, Structured English, Entity-Relationship diagrams,

1st November 2022 - 15th November 2022

Cohesion and Coupling. Gantt chart, PERT Chart, Software Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.

16th November 2022 - 30th November 2022

Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans,

1st December 2022 - 15th December 2022

Project monitoring plans, Risk Management. Software testing strategies: unit testing, integration testing, Validation testing, System testing, Alpha and Beta testing

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	Ajay Rattan
Department	Computer Science
Class & Section	B.com 3rd Semester(cav)
Subject and Code	FUNDAMENTALS OF DATABASE MANAGEMENT SYSTEM, Paper Code: BC(voc)-306
Semester Duration	1st September 2022 - 24th December 2022

Topics

1st September 2022 - 15th September 2022

Overview of Data Management System: element of data-base system, DBMS and its architecture,

16th September 2022 - 30th September 2022

advantages of DBMS, types of database users, role of database administrator.

1st October 2022 - 15th October 2022

 Brief overview of hierarchical and network model, detailed study of relational model (relations, properties of relational model, keys and integrity rules)

16th October 2022 - 31st October 2022

E-R diagrams.

1st November 2022 - 15th November 2022

Normalization: concepts and update anomalies, functional and transitive dependencies normal forms (1NF, 2NF, 3NF and BCNF).

16th November 2022 - 30th November 2022

 Database objects: terminologies- tables, views, materialized views, indexes; triggers; synonyms; functions, procedures and packages; create operator, create directory, create library, database links.

1st December 2022 - 15th December 2022

SQL: methods to access SQL plan; DDL, describe command; DML, joining tables; break clause.

16th December 2022 - 24th December 2022

Oracle service: terminology; architecture and background support processes, role of database administrator, applications of ORACLE in business.

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**B.com 3ʳᵈ Semester(cav)**
Subject and Code	Data structure , **Paper Code: BC(voc)-305**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Data structure: linear and least structures: array definition, type, address calculation,

16th September 2022 - 30th September 2022

stack: push/pop algorithms, applications.

1st October 2022 - 15th October 2022

 Queue: INS/DEL algorithm,

16th October 2022 - 31st October 2022

double and circular queue concept only

1st November 2022 - 15th November 2022

List: single linked list, algorithm and double linked list

16th November 2022 - 30th November 2022

 circular linked list concepts; B-Tree concept

1st December 2022 - 15th December 2022

Files: serial, sequential, indexed, direct, multi-list.

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**B.A/B.Sc 3rd Semester**
Subject and Code	Data Structures, **Paper Code: paper 1**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations

16th September 2022 - 30th September 2022

, Applications of data structures, Algorithms complexity and time-space tradeoff, Big-O notation. Strings: Introduction, strings, String operations, Pattern matching algorithms

1st October 2022 - 15th October 2022

 Arrays: Introduction, Linear arrays, Representation of linear array in memory, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparse matrix.

16th October 2022 - 31st October 2022

Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory, Traversal, Insertion, Deletion, Searching in a linked list, Header linked list, Circular linked list, Two-way linked list, Garbage collection, Applications of linked lists. Algorithm of insertion/ deletion in SLL.

1st November 2022 - 15th November 2022

Stack: primitive operation on stack, algorithms for push and pop. Representation of Stack as Linked List and array, Stacks applications : polish notation, recursion.

16th November 2022 - 30th November 2022

Introduction to queues, Primitive Operations on the Queues, Circular queue, Priority queue, Representation of Queues as Linked List and array, Applications of queue. Algorithm on insertion and deletion in simple queue and circular queue.

1st December 2022 - 15th December 2022

Trees - Basic Terminology, representation, Binary Trees, Tree Representations using Array & Linked List, Basic operation on Binary tree, Traversal of binary trees:- In order, Preorder & post order, Applications of Binary tree. Algorithm of tree traversal with and without recursion.

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**B.A/B.Sc 3rd Semester**
Subject and Code	**SOFTWARE ENGINEERING, Paper Coe: paper II**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes

16th September 2022 - 30th September 2022

Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance, Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics.

1st October 2022 - 15th October 2022

 Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS, Components of an SRS,

16th October 2022 - 31st October 2022

Problem Analysis, Information gathering tools, Organising and structuring information, Requirement specification, validation and metrics. Cohesion & Coupling, Classification of Cohesiveness & Coupling

1st November 2022 - 15th November 2022

Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision trees, Structured English, Entity-Relationship diagrams . Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management.

16th November 2022 - 30th November 2022

Software testing strategies: unit testing, integration testing, V and V , System testing, Alpha and Beta testing. Black box, white box testing. Cyclomatic Complexity.

1st December 2022 - 15th December 2022

Software Implementation and Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	Ajay Rattan
Department	Computer Science
Class & Section	B.com 1st Semester(Gen)
Subject and Code	Computer Applications in Business, Paper Code: BC 104
Semester Duration	1st September 2022 - 24th December 2022

Topics

1st September 2022 - 15th September 2022

Introduction to Computers: definition, components and characteristics of computers; Input and output devices: memory and mass storage devices; Introduction to modern CPU and processors.

16th September 2022 - 30th September 2022

Computer software: introduction, types of software: system, application and utility software; Programming languages; Introduction to operating system: types and function of operating system;

1st October 2022 - 15th October 2022

Real-time applications; Operating systems for Tabs, mobile phones, Android, etc.; Open source software: An overview.

16th October 2022 - 31st October 2022

Application software: Spreadsheets, Word processors, Database management software;

1st November 2022 - 15th November 2022

Networks basic, types of networks, topologies.

16th November 2022 - 30th November 2022

, media, hardware and software required for networking

1st December 2022 - 15th December 2022

Revision

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**BCA 5th Semester**
Subject and Code	**Artificial Intelligence, Paper Code: BCA 353**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Artificial Intelligence : Intelligence, AI Concepts, Various definitions of AI, Knowledge, Knowledge Pyramid, People and Computers: What computers can do better that people, what people can do better than computers

16th September 2022 - 30th September 2022

Characteristics of AI Problems, Problem Representation in AI, Components of AI, AI Evolution, Application Areas of AI, History of AI, The Turing Test, The Revised Turing Test

1st October 2022 - 15th October 2022

Expert System: Components of Expert System: Knowledge Base, Inference Engine, User Interface, Features of Expert System, Expert System Life Cycle, Categories of Expert System, Rule Based vs. Model Based Expert Systems, Advantages/Limitations of Expert System,

16th October 2022 - 31st October 2022

Developing an Expert System: Identification, Conceptualization, Formalization, Implementation, Testing, Using an Expert System, Application Areas of Expert System

1st November 2022 - 15th November 2022

AI and Search Process: Brute Force Search – Depth First/Breadth First Search, Heuristic Search: Hill Climbing, Constraint Satisfaction, Mean End Analysis,

16th November 2022 - 30th November 2022

Best First Search, A* Algorithm, AO* Algorithm, Beam Search Natural Language Processing: Introduction, Need, Goal, Fundamental Problems in Natural Language Understanding,

1st December 2022 - 15th December 2022

How People overcome Natural Language Problems, Speech Recognition: Introduction, Advantages and Approaches, Introduction to Robotics: Parts of a Robot, Controlling a Robot, Intelligent Robots, Mobile Robots

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	**Ajay Rattan**
Department	**Computer Science**
Class & Section	**BCA 5th Semester**
Subject and Code	**Programming Using Visual Basic, Paper Code: BCA 353**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

Introduction to VB: Visual & Non-Visual programming, Procedural, Object-Oriented, Object-Based and Event-Driven Programming Languages, VB as Even-Driven and Object-Based Language,

16th September 2022 - 30th September 2022

VBEnvironment: Menu bar, Toolbar, Project explorer, Toolbox, Properties Window, Form Designer, Form Layout, Immediate window, Default Controls in Tool Box Visual Development and Event Driven programming

1st October 2022 - 15th October 2022

Basics of Programming: Variables: Declaring Variables, Types of variables, Converting Variables Types, User Defined Data Types, Forcing Variable Declaration, Scope & Lifetime of Variables.

16th October 2022 - 31st October 2022

Constants: Named & Intrinsic, Operators: Arithmetic, Relational & Logical operators, Input/output in VB: Various Controls for I/O, Message box, Input Box, Print statement.

1st November 2022 - 15th November 2022

Decision Statements in VB - if statement, if-then-else, select-case; Looping Statements in VB: do-loop, for-next, while-wend; Exit statement, Nested Control Structure; Arrays: Declaring and using Arrays, One-dimensional, Two-dimensional and Multi-dimensional Arrays, Static and Dynamic arrays, Array of Arrays.

16th November 2022 - 30th November 2022

Procedures: General & Event Procedures, Subroutines, Functions, Calling Procedures, Arguments - Passing Mechanisms, Optional Arguments, Named Arguments, Functions Returning Custom Data Types

1st December 2022 - 15th December 2022

Simple Program Development in VB such as Sum of Numbers, Greatest among Numbers, Checking Even/Odd Number, HCF of Two Numbers, Generate Prime Numbers, Generate Fibonacci Series, Factorial of a Number, Searching, Sorting, etc.

16th December 2022 - 24th December 2022

Revision

Note: - The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Government College Aharwala, Bilaspur (Yamunanagar)
Lesson Plan (Session- 2023-24)
(Odd Semester)

Name of Teacher: Dr. Satnam Singh
Department : Computer Science
Class & Semester: B.C.A. 5TH Sem.
Subject & Code: BCA-354: Computer Networks

JULY

Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies; Network Hardware Components: Connectors, Transceivers, Repeaters,

AUG

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; Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate; Transmission Impairment; Data Rate Limits;

SEP

Guided Transmission Media; Wireless Transmission ; Communication Satellites; Switching and Multiplexing; Modems and Modulation techniques; ADSL and Cable Modems; Data Link Layer Design issues; Error Detection and Correction; Sliding Window Protocols

OCT

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 Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing;

NOV

Link State Routing, 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.

Government College Aharwala, Bilaspur (Yamunanagar)
Lesson Plan (Session- 2023-24)
(Odd Semester)

Name of Teacher: Dr. Satnam Singh
Department : Computer Science
Class & Semester: B.C.A. 5TH Sem.
Subject & Code: BCA-356: Multimedia Tools

JULY
Multimedia: Basic Concept, Definition, Components & Applications of Multimedia; Hypermedia and Multimedia; Multimedia Hardware and Software;

AUG
Multimedia Software Tools; Presentation Tools; Multimedia Authoring: Introduction, Features, Types of Authoring Tools: Card or Page-Based, Icon- Based, Time-Based, Object-Oriented; VRML: History, Features Images: Graphics/Image Data Types,

SEP
File Formats; Color Models in Images and Video; Video: Introduction, Types of Video Signals; Analog and Digital Video; Analog Video Standards: NTSC, PAL, SECA; Digital Video Standards: Chroma Subsampling, CCIR Standards, HDTV Digital Audio: Basic Concepts, Analog vs. Digital Audio, Digitization of Sound; Digital Audio File Formats, MIDI Quantization and Transmission of Audio: Coding of Audio;

OCT
Pulse Code Modulation; Differential Coding of Audio; Lossless Predictive Coding; DPCM; DM; ADPCM Compression Techniques: Introduction, Types of Data Compression, Run-Length Coding, Variable- Length Coding, Dictionary-Based Coding, Transform Coding

NOV
Image and Video Compression Techniques: JPEG Standard for Image Compression; JPEG Mode,
Video Compression Techniques: H.261, H.263, MPEG.

Government College Aharwala, Bilaspur (Yamunanagar)
Lesson Plan (Session- 2023-24)
(Odd Semester)

Name of Teacher: Dr. Satnam Singh
Department : Computer Science
Class & Semester: B.C.A./B.Sc. Phy. Sci./ B.Sc. Life Sci./B.Com Gen./ B.Com CAV/B.A. 1ST Sem.(NEP)
Subject & Code: B23-SEC-101: Office and Spreadsheet Tools Learning

JULY

Operating System: Definition, Functions, Types of Operating System, Basics of

AUG

Popular Operating Systems, The User Interface, Exploring Computer, Icons, Taskbar, Desktop, Using Menu and Menu-Selection, Managing Files and Folders, Control Panel- Display Properties. Add/Remove Software and Hardware, Running an Application, Using help, Creating Shortcuts, Basics of O.S. Setup; Common Utilities.

SEP

Word Processing: Introduction to Word Processing, Menus, Creating, Editing &

Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros, Inserting hyperlinks, Searching for text, Creating bookmarks, Modifying page setup, Applying document themes, Applying document style sets, Inserting headers and footers, Restricting editing, Protect a document with a password, Track changes, Manage tracked changes, Adding comments, Managing comments.

OCT

Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, Copying of Cells,

NOV

Mathematical, Statistical and Financial Function. Drawing different types of charts, Sort and Filter Data. Presentation Software: Creating, Modifying and Enhancing a presentation, Delivering a presentation, Using Sound,

DEC

Animation and Design Templates in Presentation, Working with Objects, Hyperlinks and Action Buttons, Proofing and Printing.

JAN
Revision

Government College Aharwala, Bilaspur (Yamunanagar)
Lesson Plan (Session- 2023-24)
(Odd Semester)

Name of Teacher: Dr. Satnam Singh
Department : Computer Science
Class & Semester: B.Sc. Phy. Sci & B.A. 1ST Sem.(NEP)
Subject & Code: B23-CSE-101: Problem Solving through C

JULY
Input/output: Unformatted & Formatted I/O Function,

AUG
Input Functions viz. scanf(), getch(), getche(), getchar(), gets(), output functions viz. printf(), putch(), putchar(), puts(). Operators & Expression: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment,

SEP
Conditional Operators and Special Operators Operator Hierarchy & Associativity. Arithmetic Expressions, Evaluation of Arithmetic Expression, Type Casting and Conversion.

OCT
Decision making with if statement, if-else statement, nested if statement, else-if ladder, switch and break statement, goto statement, Looping: for, while, and do-while loop

NOV
Jumps in loops. Functions: definition, prototype, function call, passing arguments to a function: call by value, call by reference, recursive functions.

DEC
Arrays: Definition, types, Initialization, multidimensional arrays, Processing on Arrays.

JAN

Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar LessonPlan (2023-24) [Odd Semester]

Name of Teacher	Dr. Balbir Kumar
Department	Public Administration
Class & Section	B A 1st Sem
Subject and Code	Public Administration/B23PAD101
Semester Duration	October – December

Topics

Month of October

Public Administration: Evolution, Meaning, Nature, Scope, Significance and its relations with Political Science, Economics and Law; Public and Private Administration; New Public Administration; and New Public Management (**Tutorial**)

Month of November

Principles of Organisation Organization: Meaning and Basis. Principles of Organization: Hierarchy, Span of Control, Co-ordination, Supervision and Control, Communication, Decentralization and Delegation (**Tutorial**)

Month of December

Forms of Organizations: Formal and Informal, Department, Board, Corporation and Commission and Independent Regulatory Commission

Chief Executive: Meaning, Types and Role. Line, Staff and Auxiliary Agencies. Public Relations: Meaning, Means and Significance. (**Tutorial**)

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar LessonPlan (2023-24) [Odd Semester]

Name of Teacher	Dr. Balbir Kumar
Department	Public Administration
Class & Section	B A 3rd Sem
Subject and Code	Public Administration
Semester Duration	October – December

Topics

Month of October

British Legacies over Indian Administration. Features of Indian Administration. Role of Indian Administration in Socio-Economic Development. Fundamental Rights and Duties

Tutorial

Month of November

President: Election, Impeachment, Powers and Position, Prime Minister & Council of Ministers Appointment, Powers and Role, Central Secretariat and Cabinet Secretariat: Organisation, Role and Functions.

Ministry of Home Affairs: Organisation and Role, Ministry of Finance: Organisation and Functions, Finance Commission and Comptroller and Auditor General.

Tutorial

Month of December

Civil Service in India: Role and Significance, Union Public Service Commission 008mposition and Functions. Recruitment and Training of All India and Central Services (Tutorial)

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Dr.Suman Panjeta**
Department	**English**
Class & Section	**BA 1ˢᵗ sem**
Subject and Code	English (Major)

Topics

Month of July

Introduction to the Syllabus and Text Book- Introduction to Short Story and Basic Grammar
Discussion on the pattern of the question paper

Month of August

Unit-1
1.God Sees the Truth, But Waits by Leo Tolstoy
Reading and explanations
Discussion on the questions from the chapter
2.The Model Millionaire by Oscar Wilde
Reading and explanations
Discussion on the questions from the chapter
3. The Blind Dog by R.K. Narayan
 Reading and explanations
Discussion on the questions from the chapter
4.The Boy with a Catapult by Bhisham Sahni
Reading and explanations
Discussion on the questions from the chapter
5. The Child by Munshi Prem Chand
Reading and explanations
Discussion on the questions from the chapter
6. The Gold Watch by Mulk Raj Anand
Reading and explanations
Discussion on the questions from the chapter

Month of September
Unit-2 1.Games at Twilight by Anita Desai Reading and explanations Discussion on the questions from the chapter 2. The Beloved Charioteer by Shashi Deshpande Reading and explanations Discussion on the questions from the chapter 3.The Dog of Tithwal by Saadat Hasan Manto Reading and explanations Discussion on the questions from the chapter. 4. Wasp's Nest by Agatha Christie Reading and explanations Discussion on the questions from the chapter 5.Sweat by Zora Neale Hurston Reading and explanations Discussion on the questions from the chapter 6.Once upon a Time by Nadine Gordimer Reading and explanations Discussion on the questions from the chapter Seminar / Presentation / Assignments / Quiz /Class Test etc
Month of October
Unit-3 1.Tenses and usage: Practice with Examples 2.Parts of Speech: Noun, Pronoun, Adjective, Verbs, Adverb, Conjunction, Interjection, Preposition: Practice with Examples
Month of November
Unit-4 1.Voice: Practice with Examples 2.Narration: Practice with Examples Mid Term Exam
Month of December
Revision of the all chapters of unit-1 and unit-2 as per university examination Revision of the all the grammatical components as per university examination

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar
Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Suman Panjeta
Department	English
Class & Section	BA 3rd Sem
Subject and Code	En23

Topics

Month of July

Discussion about the Syllabus and the Pattern of University Examination
Important Poetic Devices and Poetic forms,Speech Sounds,Phonemic
Transcription with Stress,
Test
Poems: Sonnet XVIII, Know Then Thyself
   a) Discussion in detail about the Authors and the Poems including Textual
Discussion and Explanations
   b) Discussion of very Short Answer Type Questions and Long Answer Type
Questions as per the Pattern of   University Examination
c) Antonyms, Synonyms given at the end of the poems
d) Grammar: Non Finite Verbs and All exercises given at the end of the poems
f)   Essays given at the end of poems and other similar type of important essays
g)   Phonetics : Transcription of one/two syllabic words and exercises given
at the end of the Chapters
Oral and Written Test

Month of August

Poems: Elegy Written in a Country Churchyard, The World is Too Much With Us

a) Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b) Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c) Antonyms, Synonyms given at the end of the poems

d) Grammar: Prepositions and All exercises given at the end of the poem

e) Essays given at the end of poems and other similar type of important essays

f) Phonetics: Transcription of one/two syllabic words and exercises given at the end of the Chapters

Poems: Ode on a Grecian Urn, My Last Duchess

a) Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b) Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c) Antonyms, Synonyms given at the end of the poems

d) Grammar: Clauses and All exercises given at the end of the poems

e) Essays given at the end of poems and other similar type of important essays

f) Phonetics : Transcription of one/two syllabic words and exercises given at the end of the Chapters

Quiz based on the poems and Grammar

Month Of September

Poems: When You are Old, Where the Mind is without Fear

a) Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b) Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c) Antonyms, Synonyms given at the end of the poems

d) Grammar: Clauses and All exercises given at the end of the poems E) Essays given at the end of poems and other similar type of important essays

F) Phonetics : Transcription of one/two syllabic words and exercises given at the end of the Chapters Test : Oral and Written

Poem: The Bangle Sellers

a)Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b) Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c) Antonyms, Synonyms given at the end of the poems

d)Grammar: Verb Patterns and All exercises given at the end of the poems

e)   Essays given at the end of poems and other similar type of important essays

Phonetics : Transcription of one/two syllabic words and exercises given at the end of the Chapters Test and Assignment

Month of October

Poem: Another Women

a) Discussion in detail about the Author and the Poem including Textual Discussion and Explanations

b)   Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c)   Antonyms, Synonyms given at the end of the poems

d)Grammar: Prefixes and suffixes and All exercises given at the end of the poems

e)   Essays given at the end of poems and other similar type of important essays

f)   Phonetics: Transcription of one/two syllabic words and exercises given at the end of the Chapters   Test and Assignment

Month of November

Revision of WHOLE Syllabus

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Dr. Suman Panjenta**
Department	**English**
Class & Section	**BA 5th Sem**
Subject and Code	**EN25**

Topics

Month of July

Discussion about the Syllabus and the Pattern of University Examination
Novel and its Forms,Literary Terms
Oral and Written test
Introduction of Kanthapura (Novel by : Raja Rao)

• Detailed Discussion about the Novelist and Novel
Introduction of Various Characters of Kanthapura and Settings of Novel   Chapter 1-4

• Textual Discussion, Comprehension, Explanation with reference to context and
Discussion of the Questions as per the Pattern of University Examination
Paragraph Writing on different topics

Month of August

Chapter 5-9
• Textual Discussion, Comprehension, Explanation with reference to context and Discussion of the
Questions as per the Pattern of University
Examination Paragraph Writing Test: Oral and Written
Chapter 10-13
•Textual Discussion, Comprehension, Explanation with reference to context
and Discussion of the Questions as per the Pattern of University
Examination
Test: Oral and Written, Assignment-1

Month of September

Chapter 14-17
• Textual Discussion, Comprehension, Explanation with reference to context
and Discussion of the Questions as per the Pattern of University
Examination
Test: Oral and Written, Assignment -2
Chapter 18-19
•Textual Discussion, Comprehension, Explanation with reference to context and Discussion of the
Questions as per the Pattern of University
Examination Phonemic transcription with primary stress   Test: Oral and
Written

Month of October

Intonation: Falling and Rising Tone
Transitional words and Phrases
Conversion of Sentences: Simple, Compound and Complex   Clauses
Quiz based on above mentioned topics

Month of November

Revision of whole syllabus

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Suman Panjeta
Department	English
Class & Section	BA 1st sem
Subject and Code	English (Minor)

Topics

Month of July

Introduction to the Syllabus and Text Book- Literature and Language-1
Discussion on the pattern of the question paper

Month of August

Unit-1
1.Toasted English by R.K. Narayan
Reading and explanations
Discussion on the questions from the chapter
2.Dream Childern: A Reverie by Charles Lamb
Reading and explanations
Discussion on the questions from the chapter
3.Of Studies by Francis Bacon
 Reading and explanations
Discussion on the questions from the chapter
4.Introduction to 'Wings of Fire' by A.P.J. Abdul Kalam
Reading and explanations
Discussion on the questions from the chapter

Month of September

Unit-2
1.Leave this Chanting by Rabindranath Tagore
Reading and explanations
Discussion on the questions from the chapter
2.If by Rudyard Kipling
Reading and explanations

Discussion on the questions from the chapter
3.The World is too much With Us by William Wordworth
Reading and explanations
Discussion on the questions from the chapter
4.Adventurer by Karan Singh
Reading and explanations
Discussion on the questions from the chapter
Seminar/Presentation/Assignments/Quiz/Class Test etc.

Month of October
Unit-3
Tenses: Practice with Examples
Articles: Practice with Examples

Month of November
Unit-4
Subject-Verb Agreement: Practice with Examples
Preposition: Practice with Examples
Mid Term Exam

Month of December
Revision of the all chapters of unit-1 and unit-2 as per university examination
Revision of the all the grammatical components as per university examination

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr. Suman Panjeta
Department	English
Class & Section	BA 1st sem
Subject and Code	Nomenclature of the Course: **English Language and Communication Skills: Level 1 (AEC)**

Topics

Month of July

Theory and Types of Communication Verbal and Non-Verbal Communication

Month of August

Workplace and Interpersonal Communication Introducing Oneself, Introducing Others, Making Requests, Offering Help,

Month of September

Congratulating, Making Enquiries and Seeking Permission

Month of October

Importance of Listening Skills and their types Barriers to Effective Listening and how to overcome them Note-taking Techniques to capture the main ideas

Month of November

Mid Term Exam
Parts of Speech

Month of December

Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Manisha
Department	English
Class & Section	BA 1st sem
Subject and Code	English (Major)

Topics

Month of July

Introduction to the Syllabus and Text Book- Introduction to Short Story and Basic Grammar

Discussion on the pattern of the question paper

Month of August

Unit-1

1.God Sees the Truth, But Waits by Leo Tolstoy

Reading and explanations

Discussion on the questions from the chapter

2.The Model Millionaire by Oscar Wilde

Reading and explanations

Discussion on the questions from the chapter

3. The Blind Dog by R.K. Narayan

 Reading and explanations

Discussion on the questions from the chapter

4.The Boy with a Catapult by Bhisham Sahni

Reading and explanations

Discussion on the questions from the chapter

5. The Child by Munshi Prem Chand

Reading and explanations

Discussion on the questions from the chapter

6. The Gold Watch by Mulk Raj Anand

Reading and explanations

Discussion on the questions from the chapter

Month of September
Unit-2 1.Games at Twilight by Anita Desai Reading and explanations Discussion on the questions from the chapter 2. The Beloved Charioteer by Shashi Deshpande Reading and explanations Discussion on the questions from the chapter 3.The Dog of Tithwal by Saadat Hasan Manto Reading and explanations Discussion on the questions from the chapter. 4. Wasp's Nest by Agatha Christie Reading and explanations Discussion on the questions from the chapter 5.Sweat by Zora Neale Hurston Reading and explanations Discussion on the questions from the chapter 6.Once upon a Time by Nadine Gordimer Reading and explanations Discussion on the questions from the chapter Seminar / Presentation / Assignments / Quiz /Class Test etc
Month of October
Unit-3 1.Tenses and usage: Practice with Examples 2.Parts of Speech: Noun, Pronoun, Adjective, Verbs, Adverb, Conjunction, Interjection, Preposition: Practice with Examples
Month of November
Unit-4 1.Voice: Practice with Examples 2.Narration: Practice with Examples Mid Term Exam
Month of December
Revision of the all chapters of unit-1 and unit-2 as per university examination Revision of the all the grammatical components as per university examination

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Manisha
Department	English
Class & Section	BA 3rd Sem
Subject and Code	En23

Topics

Month of July

Discussion about the Syllabus and the Pattern of University Examination
Important Poetic Devices and Poetic forms,Speech Sounds,Phonemic
Transcription with Stress,
Test
Poems: Sonnet XVIII, Know Then Thyself
   a) Discussion in detail about the Authors and the Poems including Textual
Discussion and Explanations
   b) Discussion of very Short Answer Type Questions and Long Answer Type
Questions as per the Pattern of   University Examination
c) Antonyms, Synonyms given at the end of the poems
d) Grammar: Non Finite Verbs and All exercises given at the end of the poems
f)   Essays given at the end of poems and other similar type of important essays
g)   Phonetics : Transcription of one/two syllabic words and exercises given
at the end of the Chapters
Oral and Written Test

Month of August

Poems: Elegy Written in a Country Churchyard, The World is Too Much With Us

a)   Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b)   Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c)   Antonyms, Synonyms given at the end of the poems

d)   Grammar: Prepositions and All exercises given at the end of the poem

e)   Essays given at the end of poems and other similar type of important essays

f)   Phonetics: Transcription of one/two syllabic words and exercises given at the end of the Chapters

Poems: Ode on a Grecian Urn, My Last Duchess

  a) Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b)   Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c)   Antonyms, Synonyms given at the end of the poems

d)   Grammar: Clauses and All exercises given at the end of the poems

e)   Essays given at the end of poems and other similar type of important essays

f)   Phonetics : Transcription of one/two syllabic words and exercises given at the end of the Chapters

Quiz based on the poems and Grammar

Month Of September

Poems: When You are Old, Where the Mind is without Fear

 a) Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b)   Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c)   Antonyms, Synonyms given at the end of the poems

d)   Grammar: Clauses and All exercises given at the end of the poems E) Essays given at the end of poems and other similar type of important essays

F) Phonetics : Transcription of one/two syllabic words and exercises given at the end of the Chapters Test : Oral and Written

Poem: The Bangle Sellers

a)Discussion in detail about the Authors and the Poems including Textual Discussion and Explanations

b)   Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination

c)   Antonyms, Synonyms given at the end of the poems
d)Grammar: Verb Patterns and All exercises given at the end of the poems
e)   Essays given at the end of poems and other similar type of important essays
Phonetics : Transcription of one/two syllabic words and exercises given at the end of the Chapters Test and Assignment

Month of October

Poem: Another Women
a) Discussion in detail about the Author and the Poem including Textual Discussion and Explanations
b)   Discussion of very Short Answer Type Questions and Long Answer Type Questions as per the Pattern of   University Examination
c)   Antonyms, Synonyms given at the end of the poems
d)Grammar: Prefixes and suffixes and All exercises given at the end of the poems
e)   Essays given at the end of poems and other similar type of important essays
f)   Phonetics: Transcription of one/two syllabic words and exercises given at the end of the Chapters   Test and Assignment

Month of November

Revision of WHOLE Syllabus

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Manisha
Department	English
Class & Section	BA 5th Sem
Subject and Code	EN25

Topics

Month of July

Discussion about the Syllabus and the Pattern of University Examination
Novel and its Forms,Literary Terms
Oral and Written test
Introduction of Kanthapura (Novel by : Raja Rao)

- Detailed Discussion about the Novelist and Novel

Introduction of Various Characters of Kanthapura and Settings of Novel   Chapter 1-4

- Textual Discussion, Comprehension, Explanation with reference to context and
Discussion of the Questions as per the Pattern of University Examination
Paragraph Writing on different topics

Month of August

Chapter 5-9
• Textual Discussion, Comprehension, Explanation with reference to context and Discussion of the
Questions as per the Pattern of University
Examination Paragraph Writing Test: Oral and Written
Chapter 10-13
•Textual Discussion, Comprehension, Explanation with reference to context
and Discussion of the Questions as per the Pattern of University
Examination
Test: Oral and Written, Assignment-1

Month of September

Chapter 14-17 • Textual Discussion, Comprehension, Explanation with reference to context and Discussion of the Questions as per the Pattern of University Examination Test: Oral and Written, Assignment -2 Chapter 18-19 •Textual Discussion, Comprehension, Explanation with reference to context and Discussion of the Questions as per the Pattern of University Examination Phonemic transcription with primary stress   Test: Oral and Written

Month of October

Intonation: Falling and Rising Tone Transitional words and Phrases Conversion of Sentences: Simple, Compound and Complex   Clauses Quiz based on above mentioned topics

Month of November

Revision of whole syllabus

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Manisha
Department	English
Class & Section	BA 1st sem
Subject and Code	English (Minor)

Topics

Month of July

Introduction to the Syllabus and Text Book- Literature and Language-1
Discussion on the pattern of the question paper

Month of August

Unit-1
1.Toasted English by R.K. Narayan
Reading and explanations
Discussion on the questions from the chapter
2.Dream Childern: A Reverie by Charles Lamb
Reading and explanations
Discussion on the questions from the chapter
3.Of Studies by Francis Bacon
 Reading and explanations
Discussion on the questions from the chapter
4.Introduction to 'Wings of Fire' by A.P.J. Abdul Kalam
Reading and explanations
Discussion on the questions from the chapter

Month of September

Unit-2
1.Leave this Chanting by Rabindranath Tagore
Reading and explanations
Discussion on the questions from the chapter
2.If by Rudyard Kipling
Reading and explanations

Discussion on the questions from the chapter 3.The World is too much With Us by William Wordworth Reading and explanations Discussion on the questions from the chapter 4.Adventurer by Karan Singh Reading and explanations Discussion on the questions from the chapter Seminar/Presentation/Assignments/Quiz/Class Test etc.
Month of October
Unit-3 Tenses: Practice with Examples Articles: Practice with Examples
Month of November
Unit-4 Subject-Verb Agreement: Practice with Examples Preposition: Practice with Examples Mid Term Exam
Month of December
Revision of the all chapters of unit-1 and unit-2 as per university examination Revision of the all the grammatical components as per university examination

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Manisha
Department	English
Class & Section	BA 1st sem
Subject and Code	Nomenclature of the Course: **English Language and Communication Skills: Level 1 (AEC)**

Topics

Month of July

Theory and Types of Communication Verbal and Non-Verbal Communication

Month of August

Workplace and Interpersonal Communication Introducing Oneself, Introducing Others, Making Requests, Offering Help,

Month of September

Congratulating, Making Enquiries and Seeking Permission

Month of October

Importance of Listening Skills and their types Barriers to Effective Listening and how to overcome them Note-taking Techniques to capture the main ideas

Month of November

Mid Term Exam
Parts of Speech

Month of December

Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Dr.Manisha
Department	English
Class & Section	BA 1st sem
Subject and Code	Nomenclature of the Course: **English Language and Communication Skills: Level 1 (AEC)**

Topics

Month of July

Theory and Types of Communication Verbal and Non-Verbal Communication

Month of August

Workplace and Interpersonal Communication Introducing Oneself, Introducing Others, Making Requests, Offering Help,

Month of September

Congratulating, Making Enquiries and Seeking Permission

Month of October

Importance of Listening Skills and their types Barriers to Effective Listening and how to overcome them Note-taking Techniques to capture the main ideas

Month of November

Mid Term Exam
Parts of Speech

Month of December

Revision

Govt.College,Aharwala(Bilaspur)
Lesson Plan(2023-24)[OddSemester]

Name ofTeacher	Dr. Ramesh Kumar
Department	History
Class&Section	BA I
SubjectandCode	Idea of Bharat
Semester	Odd Semester

Topics

25th July 2023 to August 2023

The Concept of Bharatvarsha: Indian Knowledge Traditions: Understanding of Bharatvarsha and its Political Contours Indian Concept of Time and Space The Historical Glory of Ancient Indian Literature: Vedas, Upanishads, Epics, Puranas, Jain and Buddhist Literature etc. Ancient Indian Educational System

September 2023

Dharma, Philosophy, Art and Culture Indian Perception of Dharma and Darshan The Concept of Vasudhaiva Kutumbakam: Man, Family, Society and World Polity and Governance: Concept of Janpada & Gram Swarajya

October 2023

Salient Features of Indian Arts Salient features of Indian Culture
Science, Environment and Economy Science, Technology & Mathematics in Ancient India

November 2023

Health Consciousness (Science of Life): Ayurveda, Yoga and Naturopathy Environmental Conservation: Indian View Indian Economic Thoughts: Agriculture, Industry, Trade and Maritime Commerce

December 2023 / January 2024

Maps (India):
Political Contours of Ancient Bharatvarsha
Places of Indian Arts in Ancient times
Important Janpadas of Ancient India
Maritime Commerce in Ancient India

Govt.College,Aharwala(Bilaspur)
Lesson Plan(2023-24)[OddSemester]

Name of Teacher	Dr. Ramesh Kumar
Department	History
Class&Section	BA II
Subject and Code	Political History of India (1526-1857 AD)
Semester	Odd Semester

Topics

25th July 2023 to August 2023

Establishment of the Mughal Empire: Babur, Shershah Suri and His Administration
Akbar: Expansion opf Power and His Religious Policy,
Map: Political Condition of India in 1526
Map: Mughal Empire at the Death of Akbar (1605)

September 2023

Aurangzeb: Expansion opf Power and His Religious Policy,
Relations of Mughals with Rajputs, Deccan Policy of the Mughals
Map: Mughal Empire at the Death of Aurangzeb (1707)

October 2023

Mughal Administrations, Institutions: Mansabdari and Jagirdari
Decline of Mughal Empire,
Rivalry between the French and British in India, Founding of the British Empire,
Map: Expansion of British Empire up to 1856

November 2023

Consolidation of British Empire, Uprising of 1857,
Map: Major Centres of Uprising of 1857

Govt.College,Aharwala(Bilaspur)
Lesson Plan(2023-24)[OddSemester]

Name of Teacher	Dr. Ramesh Kumar
Department	History
Class&Section	BA III
Subject and Code	Rise of Modern World
Semester	Odd Semester

Topics

25th July 2023 to August 2023

Transition from Feudalism to Capitalism
Renaissance, Reformation
Shift of Economic Balance from Mediterranean to Atlantic Region
Map: Important Centres of Renaissance

September 2023

Early Colonial System: Motives, Process and Consequences of colonization in America
Mercantile Revolution: Origins and Results
Map: Important Centres of Reformation

October 2023

Scientific Revolution
Glorious Revolution
Industrial Revolution
Map: Important Mercantile Centres

November 2023

Agricultural Revolution,
Map: Major Places Connected with Industrial Revolution
Map: Capitalist Powers of Europe
Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]	
Name of Teacher	डॉ ममता मग्गो
Department	हिन्दी
Class & Section	बी ए प्रथम वर्ष, प्रथम सैमेस्टर
Subject and Code	**हिंदी मेजर (B23-HIN-101)**
Semester Duration	July to Nov
Topics	
Month of July	
भाषा : परिभाषा एवं विशेषताएं, **भाषा का अर्थ, परिभाषा**	
Month of August	
भाषा के माध्यम, **भाषा की प्रकृति एवं विशेषताएं**, **भाषा और वाक्**, भाषा और बोली में अंतर, भाषा बन जाने के कारण, भाषा का विराट स्वरूप, मानव जीवन में भाषा का स्थान	
Month of September	
मैथिलीशरण गुप्त, जयशंकर प्रसाद, सूर्यकांत त्रिपाठी निराला	
Month of October	
रामधारी सिंह दिनकर, नागार्जुन, परियोजना कार्य और टैस्ट	
Month of November	
समस्त पाठ्यक्रम की दोहराई	

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	डॉ ममता मग्गो
Department	हिन्दी
Class & Section	बी ए प्रथम वर्ष, प्रथम सैमेस्टर
Subject and Code	हिंदी माइनर (B23-MI-1-H103)
Semester Duration	July to November

Topics

Month of July

शब्द भेद : विकारी शब्द-संज्ञा, सर्वनाम

Month of August

विशेषण, क्रिया, शब्द के विकार के कारण, लिंग, वचन, कारक, अविकारी शब्द का अवयव, क्रिया विशेषण अवयव, समुच्चयबोधक अवयव, संबंध बोधक अवयव, विस्मय आदिबोधक।

Month of September

शब्द संपदा : उपसर्ग, प्रत्यय, समास, संधि: स्वर संधि, व्यंजन संधि, विसर्ग संधि। अशुद्धियां और शोधन : वाक्यगत अशुद्धियां और उनका शोधन, पदगत अशुद्धियां और उनका शोधन।

Month of October

वाक्य रचना के आधार पर वाक्य के प्रकार सरल संयुक्त मिश्र वाक्य अन्य आधार पर वाक्य के प्रकार - विधानार्थक वाक्य, निषेधवाचक, आज्ञार्थक, प्रश्नार्थक, इच्छाबोधक, संदेहसूचक, संकेतार्थक वाक्य। परियोजना कार्य तथा टैस्ट।

Month of November

पर्यायवाची, विलोम शब्द, लोकोक्तियां, मुहावरे, अलंकार तथा समस्त पाठ्यक्रम की दोहराई ।

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	डॉ ममता मग्गो
Department	हिन्दी
Class & Section	बी ए प्रथम वर्ष, प्रथम सैमेस्टर
Subject and Code	हिंदी AEC (B23-AEC-HIN-121)
Semester Duration	July to December

Topics

Month of July

हिंदी के विविध रूप - **राष्ट्र**भाषा

Month of August

हिंदी के विविध रूप - **राजभाषा, संपर्क भाषा, हिंदी भाषा और भारतीय संविधान, हिंदी की बोलियां**

Month of September

व्याकरण का स्वरूप और महत्व**,** देवनागरी लिपि का मानकीकरण**,** हिंदी की वर्णव्यवस्था **:** स्वर एवं व्यंजन।

Month of October

हिंदी भाषा शब्द भंडार **: तत्सम, तद्भव, देशज, विदेशी शब्द निर्माण : उपसर्ग, प्रत्यय, पर्यायवाची शब्द, विलोम शब्द, संज्ञा**

Month of November

सर्वनाम विशेषण क्रिया मुहावरे लोकोक्तियां हिंदी वाक्य रचना, परियोजना कार्य एवं टैस्ट

Month of December

वाक्य रचना एवं भेद, शब्द शुद्धि, वाक्य शुद्धि, पारिभाषिक शब्दावली। समस्त पाठ्यक्रम की दोहराई

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	डॉ ममता मग्गो
Department	हिन्दी
Class & Section	बी ए द्वितीय वर्ष, तृतीय सैमेस्टर
Subject and Code	**हिन्दी HI23**
Semester Duration	July to November

Topics

Month of July

आधुनिक हिंदी कविता - अयोध्या सिंह उपाध्याय हरिऔध

Month of August

अयोध्या सिंह उपाध्याय 'हरिऔध', मैथिलीशरण गुप्त, जयशंकर प्रसाद, सूर्यकांत त्रिपाठी निराला

Month of September

महादेवी वर्मा, रामधारी सिंह दिनकर, भारत भूषण अग्रवाल, हिंदी साहित्य का रीतिकाल

Month of October

हिंदी साहित्य का रीतिकाल, प्रयोजनमूलक हिंदी, परियोजना कार्य एवं टैस्ट

Month of November

प्रयोजनमूलक हिंदी तथा समस्त पाठ्यक्रम की दोहराई

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]	
Name of Teacher	डॉ ममता मग्गो
Department	हिन्दी
Class & Section	बी ए तृतीय वर्ष, पांचवां सेमेस्टर
Subject and Code	हिंदी HI25
Semester Duration	July to November
Topics	
Month of July	
समकालीन हिंदी कविता - सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय'	
Month of August	
धर्मवीर भारती, नरेश मेहता, नागार्जुन, रघुवीर सहाय	
Month of September	
रघुवीर सहाय, कुंवर नारायण, लीलाधर जगूड़ी, हिंदी साहित्य का आधुनिक काल	
Month of October	
हिंदी साहित्य का आधुनिक काल, पत्र लेखन, **परियोजना कार्य एवं टेस्ट**	
Month of November	
संक्षेपण, पल्लवन तथा समस्त पाठ्यक्रम की दोहराई	

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	डॉ ममता मग्गो
Department	हिन्दी
Class & Section	बी एस सी द्वितीय वर्ष, तृतीय सैमेस्टर
Subject and Code	हिन्दी
Semester Duration	July to November

Topics

Month of July

मैथिलीशरण गुप्त की कविताएं और प्रश्न

Month of August

जयशंकर प्रसाद की कविताएं और प्रश्न, सूर्यकांत त्रिपाठी निराला की कविताएं और प्रश्न

Month of September

रामधारी सिंह दिनकर की कविताएं और प्रश्न, निबंध लेखन - मानवाधिकार, नैतिक शिक्षा, **म**द्य **निषेध**

Month of October

विज्ञान और औद्योगीकरण वैज्ञानिक प्रगति में भारत का योगदान वैश्वीकरण और विज्ञान दूरदर्शन समाचार पत्रों का महत्व **सरकारी पत्र अर्ध सरकारी पत्र परियोजना कार्य,** टेस्ट वैज्ञानिक शब्दावली तथा समस्त पाठ्यक्रम की दोहराई

Month of November

वैज्ञानिक शब्दावली तथा समस्त पाठ्यक्रम की दोहराई

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Ms. Anita
Department	Economics
Class & Section	B.A I
Subject and Code	B-23-ECO-101
Semester Duration	August 2023 to November 2023

Topics

Month of August

Nature and Scope of Economics: Meaning of Economics; Nature of Economics; Scope of Economics; Methods of Economics; Why Study Economics? Role of an Economist: Thinking Like an Economist; The Economist as Scientist; The Economist as Policy Adviser; Economic Policy Economic Activities and Systems:Types of Economic Activities; Organisation of Economic Activities; Evolution of the Present Economic Systems

Month of September

Firms and Household: Meaning of Firms and Household; Relationship Between Firms and Household; Input Markets; Output Markets; Circular Flow of Economic Activities (Two – Sector) Demand and Supply: Individual Demand; Market Demand; Law of Demand; Types of Goods (Normal, Inferior and Giffen); Demand Determinants; Supply and its Determinants; Law of Supply; Market Equilibrium

Month of October

Elasticity and its Measurement: Types of Elasticity of Demand and Supply; Price, Income and Cross Elasticity; Measurement of Elasticity of Demand; Determinants of Elasticity of Demand Consumer Equilibrium: Cardinal Utility Analysis (Law of Diminishing Marginal Utility, Law of EquiMarginal Utility); Ordinal Utility Analysis (Indifference Curve, Properties of Indifference Curve, Budget Line, Equilibrium of Consumer); Consumer Surplus (Marshall & Hick)

Month of November

Production Analysis: Production Function-Short Run and Long Run; Total Product; Marginal Product; Average Product; Law of Returns to Factor (Law of Variable Proportions); Law of Returns to Scale(Increasing, Decreasing and Constant) Cost and Revenue Analysis: Fixed and Variable Costs, Opportunity Cost, Implicit and Explicit Costs, Real and Monetary Costs; Traditional short run and long run cost curves and their interrelation; TR, MR, AR and their relationships.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Ms. Anita
Department	Economics
Class & Section	B.A II
Subject and Code	EC-23
Semester Duration	July 2023 to November 2023

Topics

Month of July and August

Nature and Scope of Macro Economics, Difference between Micro and Macro Economics Importance of Macro Economics. Concepts, Measurement and limitations of National Income Statistics, Circular flow of Income in Two, Three and Four Sector Economy

Month of September

Say's law of Market, Classical Theory of Income and Employment. Keynesian Theory of Income and Employment, Principle of Effective Demand, Comparison between Classical and Keynesian Theory of Employment

Month of October

Consumption Function: Meaning and Technical Attributes, Significance of MPC, Relationship between APC & MPC, Keynesian Psychological Law of Consumption and its Implications, Short-run & Long-run Consumption functions

Month of November

Meaning of Capital and Investment, Types of Investment, Marginal Efficiency of Capital (MEC). Relation between MEC and MEI, Factors affecting Inducement to Invest

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Ms. Anita
Department	Economics
Class & Section	B.A III
Subject and Code	EC-25
Semester Duration	July 2023 to November 2023

Topics

Month of July and August

Capitalist, Socialist & Mixed economy.Developed and Developing Economy –Concepts Basic Characteristics of Indian Economy as a Developing Economy.Class Test

Month of September

Comparison of Indian Economy with Developed Economies .Major Issues of Development in India,Theory of Demographic Transition. Size and Growth of Population.Features of Indian Population

Month of October

Causes of Growing Population.- High Birth Rate and Decreasing Death Rate.Problems of Over Population. Measures for Population Control.Population Policy 2005 onward. Class Test and Assignment-I

Month of November

Meaning and Concepts of Poverty.Poverty line- Need of Redefining.Measurement of Poverty.Causes of Poverty.Measures of Eradication of Poverty.

<div align="center">

Government college Aharwala, Bilaspur(Yamuna Nagar)

Lession Plan for the Session 2023-24 (Odd Semester)

</div>

Name and Desig. : Mohinder,   Assistant Professor of Mathematics

Class : BCOM 1st sem (NEP) {Minor Subject}

Subject: Business Mathematics-I

Month	Topic of the Lecture
August 2024	Set Theory: Representation of sets, equivalent sets, power set, complement of a set. Venn Diagrams: Union and intersection of sets, De-Morgan's laws;
September 2024	Logical statements and truth tables., Logarithms: Laws of operation, log tables; Arithmetic and geometric progression.
October 2024	Matrices and Determinants: Definition of a matrix, order, equality, types of matrices; Operations on matrices: Addition, multiplication and multiplication with a scalar and their simple properties. Determinant of a square matrix (upto 3x 3 order):
November 2024	Properties of determinants, minors, co-factors and applications of determinants in finding the area of triangle, adjoint and inverse of a square matrix, solutions of a system of linear equations by examples.
December 2024	Compound interest and annuities: Different types of interest rates, types of annuities, present value and amount of an annuity (including the case of continuous compounding), valuation of simple loans and debentures, problems related to sinking funds

Name and Desig. : Mohinder,   Assistant Professor of Mathematics

Class : BCA 1ˢᵗ sem (NEP) {Minor Subject}

Subject: Mathematical Foundations for Computer Science-I

Month	Topic of the Lecture
August 2024	Sets and their representations, Empty set, Finite and infinite sets, Subsets, Equal sets, Power sets, Universal set, Union and intersection of sets
September 2024	Difference of two sets, Complement of a set, Venn diagram, De-Morgan's laws and their applications. An introduction to matrices and their types, Operations on matrices, Symmetric and skew-symmetric matrices
October 2024	Minors, Co-factors. Determinant of a square matrix, Adjoint and inverse of a square matrix, Solutions of a system of linear equations up to order
November 2024	Quadratic equations, Solution of quadratic equations. Arithmetic progression, Geometric progression, Harmonic progression, Arithmetic mean (A.M.), Geometric mean (G.M.), Harmonic mean (H.M.), Relation between A.M., G.M. and H.M.
December 2024	The concept of differentiation, differentiation of simple functions, Use of differentiation for solving problems related to real-life situations. Differentiation of simple algebraic, trigonometric and exponential functions.

Government college Aharwala, Bilaspur(Yamuna Nagar)

Lession Plan for the Session 2023-24 (Odd Semester)

Name and Desig. : Mohinder,   Assistant Professor of Mathematics

Class : BCA 3rd sem

Subject: COMPUTER-ORIENTED NUMERICAL METHODS

Month	Topic of the Lecture
July 2024	Computer Arithmetic: Floating-point representation of numbers, arithmetic operations with normalized floating-point numbers and their consequences, significant figures. Error in number representation-inherent error, truncation, absolute, relative, percentage and round-off error.
August 2024	Iterative Methods: Bisection, False position, Newton-Raphson method. Iteration method, discussion of convergence, Bairstow's method.
September 2024	Solution of simultaneous linear equations and ordinary differential equations: Gauss-Elimination methods, pivoting, Ill-conditioned equations, refinement of solution. Gauss-Seidal iterative method
October 2024	Euler method, Euler modified method, Taylor-series method, Runge-Kutta methods, Predictor-Corrector methods. Interpolation and Approximation: Polynomial interpolation: Newton, Lagranges, Difference tables, Approximation of functions by Taylor Series. Chebyshev polynomial: First kind, Second kind and their relations, Orthogonal properties.
November 2024	Numerical Differentiation and integration: Differentiation formulae based on polynomial fit, pitfalls in differentiation, Trapezoidal & Simpson Rules, Gaussian Quadrature.

Government college Aharwala, Bilaspur(Yamuna Nagar)

Lession Plan for the Session 2023-24 (Odd Semester)

Name and Desig. : Mohinder,   Assistant Professor of Mathematics

Class : BA/B.Sc 1ˢᵗ sem {Major Subject}

Subject: **Calculus**

Month	Topic of the Lecture
August 2024	ε-δ definition of limit and continuity of a real valued function, Basic properties of limits, Types of discontinuities, Differentiability of functions, Application of L'Hospital rule to indeterminate forms.
September 2024	Successive differentiation, Leibnitz theorem, Taylor's and Maclaurin's series expansion with different forms of remainder. Asymptotes: Horizontal, vertical and oblique asymptotes for algebraic curves, Asymptotes for polar curves, Intersection of a curve and its asymptotes
October 2024	Curvature and radius of curvature of curves (Cartesian, parametric, polar & intrinsic forms), Newton's method, Centre of curvature and circle of curvature.
November 2024	Multiple points, Node, Cusp, Conjugate point, Tests for concavity and convexity, Points of inflexion, Tracing of curves, Reduction formulae. Rectification, intrinsic equation of a curve
December 2024	Quadrature, Area bounded by closed curves, Volumes and surfaces of solids of revolution.

Name and Desig. : Mohinder,   Assistant Professor of Mathematics

Class : BA 1st sem {MDC}

Subject: **Introductory Mathematics**

Month	Topic of the Lecture
August 2024	Sets and their representations, Empty set, Finite and infinite sets, Subsets, Equal sets, Power sets, Universal set, Union and intersection of sets
September 2024	Difference of two sets, Complement of a set, Venn diagram, De-Morgan's laws and their applications. An introduction to matrices and their types, Operations on matrices, Symmetric and skew-symmetric matrices, Minors, Co-factors
October 2024	Determinant of a square matrix, Adjoint and inverse of a square matrix, Solutions of a system of linear equations up to order, Complex numbers, Operations on complex numbers, Modulus and argument of a complex number. Linear inequalities.
November 2024	Algebraic solutions of linear inequalities in two variables and their graphical representation. Quadratic equations, Solution of quadratic equations. Arithmetic progression, Geometric progression, Harmonic progression, Arithmetic mean (A.M.), Geometric mean (G.M.), Harmonic mean (H.M.), Relation between A.M., G.M. and H.M.
December 2024	Straight lines: Slope of a line and angle between two lines, Different forms of equation of a line: Parallel to co-ordinate axes, Point-slope form, Slope-intercept form, Two-point form, General form; Distance of a point from a straight line. Standard form of a circle and its properties.

Government College, Aharwala(Bilaspur)

Summary of Lesson Plan

Name of Teacher: Mr.Mangla Singh   Academic Session : 2023-2024

Class : B.A. 5th Semester   Subject :Political Science

Month of July
Definition, Nature and Scope of International Relations Development of International Relations
Month Of August
Autonomy Debate Regarding International Relations Approaches to the study of International Relations
Month of September
National Power, Limitations of National Power Balance of Power
Month of November
Collective Security Globalization

Government College, Aharwala(Bilaspur)
Summary of Lesson Plan

Name of Teacher: Mr.Mangla Singh Academic Session : 2023-2024

Class : B.A. 3rd Semester Subject :Political Science

Month of July
Raja Ram Mohan Roy Swami Dayanand Saraswati
Month of August
Dada Bhai Naroji Gopal krishan Gokhale
Month of September
Swami Vivekanand Aurbindo Ghosh
Month of October
Lala lajpat Rai Lokmanya Bal Gangadhar Tilak
Month of November
Revision

Government College, Aharwala(Bilaspur)
Summary of Lesson Plan

Name of Teacher: Mr.Mangla Singh   Academic Session : 2023-2024

Class : B.A. Semester :1st   Subject :Political Science

Month of July
Meaning, Nature, Scope and Significance of political science
Month of August
Relation of political science with other Social Sciences Relation of political science with other Social Sciences
Month of September
State-Meaning, Definition and Elements Origin and Development of the State
Month of October
Functions of State Relation of State with other Organizations
Month of November
Mid Term Exams Sovereignty
Month of December
Revision

Government College, Chhachhrauli

Name of Teacher: Sukhwinder   -2024

Summary of Lesson Plan

Academic Session : 2023

Class : B.A. III   Semester :5th   Subject :Political Science (Code PS-25)

Unit	Topic/Chapters to be covered	Duration	Assignment and Tests
1.	Definition, Nature and Scope of International Relations	01 Aug to 15 Aug	
2.	Development of International Relations	16 Aug to 31 Aug	Assignment
3.	Autonomy Debate Regarding International Relations	01 Sep to 15 Sep	
4.	Approaches to the study of International Relations	16 Sep to 30 Sep	Test 1
5.	National Power, Limitations of National Power	01 Oct to 15 Oct	

6.	Balance of Power	16 Oct to 31 Oct	Assignment
7.	Collective Security	1 Nov to 15 Nov	Test 2
8.	Globalization	15 Nov to Onwards	

Government College, Chhachhrauli

Name of Teacher: Sukhwinder   -2024

Summary of Lesson Plan

Academic Session : 2023

Class : B.A. II   Semester :3rd   Subject :Political Science

Unit	Topic/Chapters to be covered	Duration	Assignment and Tests
1.	Raja Ram Mohan Roy	01 Aug to 15 Aug	
2.	Swami Dayanand Saraswati	16 Aug to 31 Aug	Assignment
3.	Dada Bhai Naroji	01 Sep to 15 Sep	

4.	Gopal krishan Gokhale		Test 1
		16 Sep to 30 Sep	
5.	Swami Vivekanand	01 Oct to 15 Oct	
6.	Aurbindo Ghosh		Assignment
		16 Oct to 31 Oct	
7.	Lala lajpat Rai	1 Nov to 15 Nov	Test 2
8.	Lokmanya Bal Gangadhar Tilak	15 Nov to Onwards	

Government College, Chhachhrauli

Name of Teacher: Sukhwinder   -2024

Summary of Lesson Plan

Academic Session : 2023

Class : B.A. II   Semester :1st   Subject :Political Science (B23-POL-101)

Unit	Topic/Chapters to be covered	Duration	Assignment and Tests

9.	Meaning, Nature, Scope and Significance of political science	01 Aug to 15 Aug	
10.	Relation of political science with other Social Sciences	16 Aug to 31 Aug	Assignment
11.	Relation of political science with other Social Sciences	01 Sep to 15 Sep	
12.	State-Meaning, Definition and Elements	16 Sep to 30 Sep	Test 1
13.	Origin and Development of the State	01 Oct to 15 Oct	
14.	Functions of State	16 Oct to 31 Oct	Assignment
15.	Relation of State with other Organisations	1 Nov to 15 Nov	Test 2
16.	Sovereignty	15 Nov to Onwards	

Government College, Chhachhrauli

Name of Teacher: Sukhwinder   -2024

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Even Semester]

Name of Teacher	**Ms. Aarti Arora**
Department	**Commerce**
Class & Section	**B.COM III**
Subject and Code	**Financial Management BC-502**
Semester Duration	**JULY to NOVEMBER**

Topics

Month of July

Financial Management: Nature, Scope, Objectives and Significance of financial management, Recent Developments in Financial Management

Month of August

Financial Planning and Forecasting : Need, importance, drafting a financial plan;Meaning of capitalization, Importance of capitalisation , Optimum capital structure, Features of optimum capital structure, Over Capitalisation and Under Capitalisation:Meaning, causes ,effects and remedies, Test of financial management

Month of September

Sources of finance : Short term, Medium term and long term ; Benefits and Techniques of Financial Forecasting, Assignment I, Group Discussions, Capital Structure Decisions : Meaning, Determinants of capital structure, Theories of capital structure, Test, Group Discussions

Month of October

Working Capital Management Decisions; Need, Types and Determinants , Forecasting of working capital requirements, Assignment II. Capital Budgeting Decisions : Meaning,Nature and Determinants of capital budgeting, Techniques of capital budgeting

Month of November

Cost of Capital; Significance, computation of cost of debt, equity & preference share capital, retained earnings, weighted average cost of capital., Management of cash, Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Ms. Aarti Arora**
Department	**Commerce**
Class & Section	**M.COM FINAL**
Subject and Code	**Business Ethics And Social Responsibility MC 315**
Semester Duration	**August to December**

Topics

Month of August

Ethics: Concept and principles, relationship with morality, values, and law, moral reasoning. Stages of moral and ethical development

Month of September

Ethical theories in relation to business – egoism, utilitarianism, Kant's ethics. Religion and ethics; Ethical Dilemma: causes and resolution. Ethical decision making in business –models and processes, personal and corporate values and ethical decision making. Globalization and business ethics; Creating an ethical organization – corporate governance, corporate culture, CSR, code of conduct., Assignment I

Month of October

Assignment II, Test, Business ethics and consumer protection; Business ethics and environment protection - maintaining ecological balance, sustainable development, Business ethics and human resources – workplace issues, privacy; Role of outside stakeholders on ethics – media, public, Judiciary; IT and ethics, Test

Month of November

Group Discussions, Social responsibility – meaning and importance. Socially responsible consumption, Social responsibility of business. CSR – fundamentals and evolution; Approaches to CSR – Freeman's approach, Gandhian trusteeship principle, Stakeholder approach, Triple bottomline; CSR and philanthropy, Advantages and disadvantages of CSR; CSR and corporate strategy

Month of December

CSR and profitability, Implementing CSR programmes.,Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Ms. Aarti Arora**
Department	**Commerce**
Class & Section	**B.COM III**
Subject and Code	**Supply Chain Management BC-506(i)**
Semester Duration	**JULY to NOVEMBER**

Topics

Month of July

Supply chain management (SCM): concept, scope and importance; approaches to SCM

Month of August

Role of SCM in a firm and economy; SCM and marketing mix; SCM as coordination function; integrated SCM,Assignment 1

Month of September

Total cost concept; Strategic SCM: SCM strategy, implementation and management; interrelationship of SCM and marketing, Elements of SCM; transportation: considerations in selecting the right mode; multimodal transportation; warehousing: types, site selection and management; customer service-strategy and practices; distribution channel design, Assignment 2

Month of October

Information system in SCM; ERP and SCM; recent developments in SCM - third/fourth party logistics.

Month of November

Test, Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Ms. Aarti Arora
Department	Commerce
Class & Section	M.COM P
Subject and Code	Organisational Behaviour MC 101
Semester Duration	August to December

Topics

Month of August

Organisational Behaviour: Concepts and Significance; Human Relations and Organisational Behaviour – Historical Development of Organisational Behaviour; Industrial Revolution; Scientific Management, The Human Relations Movements, Howthrone Studies

Month of September

Meaning and Definitions of Organisational Behaviour; Features of OB; Basic Assumptions; Contributing Disciplines to OB; Emergence of HR and OB, Approaches to Organisational Behaviour; Classical Approach; Neo-Classical; Modern approach; Scope of OB; Nature/Fundamental concepts of OB; Nature of People; Nature of Organisations; Determinants of Organisational Behaviour; Significance of OB; Criticism. , Assignment I

Month of October

Personality: Concept and Definition of Personality; Major Determinants of Personality; Biological Contribution; Socialization; Culture; Situational Factors; Major Personality Attributes influencing Organisational Behaviour; Theories of Personality; Psychoanalytic Theory (Freud's Theory); New Freudian Theories; Trait Theories; Social Learning Theory; The Self Theory; Need Theories; Holistic Theories; Personality and Organisationa lBehaviour, Assignment II, Test

Month of November

Perception: Introduction; Nature and Importance of Perception, Meaning, definitions and process of Perception Perceptual Selectivity; Internal Factors; External Factors; Distortion in Perception; Managerial Implications of Perception; Managing the Perception Process. Learning: Introduction; Definition; Theories of Learning; Classical Conditioning Theory; Operant or Instrument Conditioning Theory; Cognitive Learning Theory; Social Learning Theory; Modeling; Shaping Behaviour; Learning and Organisational Behaviour or Significance of Learning. Group Discussions

Month of December

Group Dynamics: Introduction, Meaning; Components of Group Dynamics; Group Norms; Group Role; Group Status; Group Size; Group Leadership; Group Composition; Proxemics and Group Dynamics; Group Cohesiveness; Determinants of Cohesiveness; Consequences of Group Cohesiveness; Relationship between Group Cohesiveness and Productivity. Transactional Analysis: Introduction; Concept of T.A.; Scope of Transactional Analysis; Analysis of Self-awareness; Analysis of Ego States; Analysis of Life Positions; Analysis of Games; Analysis of Stroking, Benefits of Transactional Analysis., Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Ms. Aarti Arora
Department	Commerce
Class & Section	M.COM P
Subject and Code	Marketing Management MC 106
Semester Duration	August to December

Topics

Month of August

Marketing: meaning, scope and importance; Evolution of marketing; Understanding marketing in new perspective.

Managing the marketing mix, Marketing environment.

Month of September

Assignment I, Information system and marketing research: importance, scope and steps of marketing research process. Understanding consumer behaviour, Analysing business markets; Customer relationship management

Month of October

Test, Assignment II, Product: concept and classification; New product development; Product-mix and product line strategies; Product life cycle strategies; Branding, packaging, labeling and warranty, Price determination; Pricing policies and strategies. Promotion programme: advertising, sales promotion, public relations, publicity and personal selling

Month of November

Group Discussions, Distribution logistics and supply chain management; Marketing channels, Retailing, Wholeselling and physical distribution. Social, ethical and legal aspects of marketing.

Month of December

Marketing and information economy; Direct and online marketing.Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Ms. Aarti Arora**
Department	**Commerce**
Class & Section	**B.COM III**
Subject and Code	**Principles of Business Management BC-103**
Semester Duration	**JULY to DECEMBER**

Topics

Month of July

Introduction to Management: concept, characteristics and significance, Process/Functions of Management

Month of August

Assignment 1, Planning: concept, process & importance, Types of Plans: Policy, Programme, Strategy, Vision, Mission, Goals, and Objectives. Organizing: meaning, principles and benefits of organizations

Month of September

Assignment 2. Test, Organizational structure: Functional, Line vs. Staff, matrix, Formal vs. Informal; Organizational structure for large scale business organization. Delegation: meaning, advantages, barriers to delegation, guidelines for effective delegation

Month of October

Decentralization and Centralization: advantages and disadvantages, factors influencing decentralization.

Month of November

Test, Directing: concept; Motivation: concept, objectives & significance, Approaches to motivation

Month of December

Leadership: concept, significance & functions, Leadership styles, approaches to leadership, Revision

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [ODD Semester]

Name of Teacher	**Karan Singh**
Department	**Commerce**
Class & Section	**B.com 3rd Sem**
Subject and Code	Company Law
Semester Duration	**Aug 2023 to Nov 2023**

Topics

Month of August

Company: meaning, characteristics & types of companies, conversion of private into public company & vice versa. Promotion and incorporation of companies; promotors: legal position, duty, liability and remuneration; company and pre-incorporation contracts; incorporation procedure.

Month of September

Memorandum of Association: clauses, doctrine of ultra vires, alteration of clauses. Articles of Association: contents, model forms, and alteration; doctrine of indoor management and constructive notice.

Month of Octobur

Prospectus: meaning, contents and formalities, abridged prospectus, deemed prospectus, red herring & shelf prospectus, misstatement and remedies, liabilities for misstatements.

Month of November

Share Capital: types, issue and allotment of shares and debentures; share certificate and share warrant, reduction of share capital; buy-back of shares. Transfer & transmission of shares and debentures; depository system; borrowing powers and debentures.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [ODD Semester]

Name of Teacher	**Karan Singh**
Department	**Commerce**
Class & Section	**B.com 5th Sem**
Subject and Code	Cost Accounting
Semester Duration	**Aug 2023 to Nov 2023**

Topics

Month of August

Introduction: nature and scope of cost accounting; cost concepts & classification; methods & techniques. Materials: material planning &purchasing, pricing of material issue; treatment of material losses, material & inventory control: concept and techniques.

Month of September

Labour: labour cost control procedure; labour turnover; Idle time and overtime; Methods of wage payment: time and piece rate; incentive schemes. Overheads: classification, allocation, apportionment and absorption of overheads; under and over absorption.

Month of Octobur

Methods of costing: unit costing; job costing; contract costing; process costing (process losses, valuation of work in progress, joint and by-products) service costing (only transport).

Month of November

Standard costing and variance analysis: material and labour. Cost control and cost reduction; cost audit; an overview of cost audit standards.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [ODD Semester]

Name of Teacher	**Karan Singh**
Department	**Commerce**
Class & Section	**B.com 3rd Sem**
Subject and Code	Rural Marketing
Semester Duration	**Aug 2023 to Nov 2023**

Topics

Month of August

Rural Marketing: meaning, nature, characteristics; opportunities and challenges to rural markets in India; Socio-cultural, economic, demographic, technological and other environmental factor affecting rural marketing.

Month of September

rural consumer behaviour; segmentation of rural market; strategies for rural marketing; rural marketing mix; difference in rural and urban market; problems in rural marketing; Strategies for rural marketing.

Month of Octobur

Product planning, pricing, promotion and management of distribution channels for marketing of durables and non-durables in rural areas.

Month of November

Planning and organizing personnel selling in rural markets; Innovation in rural market; E-commerce in rural markets, e-chaupal & other similar initiatives in rural markets.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [ODD Semester]

Name of Teacher	Karan Singh
Department	Commerce
Class & Section	M.com 1st Sem
Subject and Code	Company Law
Semester Duration	Aug 2023 to Nov 2023

Topics

Month of August

Company Law: History and administration; Meaning, characteristics & types of companies; Promotion and incorporation of companies; Memorandum of Association: clauses and procedure for alteration, Doctrine of Ultra Vires.

Month of September

Articles of Association: Adoption of Table A, Doctrine of indoor management, Prospectus: Powers of SEBI, contents and liability for misleading statements.

Month of Octobur

Share Capital: provisions regarding issue, allotment and transfer of shares, buy back of shares, Membership, Borrowing powers, mortgages and charges. Directors: appointment, powers and legal position; Company meetings-kinds, quorum, voting.

Month of November

resolutions, minutes. Reconstruction and Amalgamation. Prevention of oppression and mismanagement, Winding up of companies.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Neelam**
Department	Commerce
Class & Section	B.com 5thSem
Subject and Code	**Income tax**
Semester Duration	July to November

Topics

Month of July

Introduction to income tax: concept, tax, person, income, agricultural income, casual income, previous year, financial year, assessment year, gross total income, total income; tax management: tax evasion, avoidance, and tax planning.

Month of August

Basis of charges: scope of total income, residence and tax liability, income which does not form part of total income.

Month of September

Heads of income: income from salary, house property; profit and gains from business and profession,

Month of October

capital gains and other sources. Clubbing and aggregation of income

Month of November

Provisions regarding set-off and carry forward of losses.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [OddSemester]

Name of Teacher	Neelam
Department	Commerce
Class & Section	B.com 3rd sem
Subject and Code	**Corporate Accounting**
Semester Duration	July to November

Topics

Month of July

Accounting for share capital &debentures: issue, forfeiture and reissue of forfeited shares

Month of August

Book building: concept & process; issue of right and bonus shares; buy back of shares; redemption of preference shares; issue and redemption of debentures.

Month of September

Final accounts of companies (excluding computation of managerial remuneration).

Month of October

Amalgamation of companies: concept and accounting treatment as per accounting standard 14 (excluding intercompany holdings).

Month of November

Internal reconstruction: concept and accounting treatment excluding scheme of reconstruction.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Neelam**
Department	Commerce
Class & Section	M.com 3rdSem
Subject and Code	**Entrepreneurship development**
Semester Duration	August to December

Topics

Month of August

Entrepreneurship: concept, nature and scope; factors affecting entrepreneurial growth; major motives influencing an entrepreneur;

Month of September

stress management; entrepreneurship development programs. Small Enterprises: Definition, Classification – Characteristics, Ownership Structures

Month of October

Market Survey and Opportunity Identification: starting a small scale industry, registration procedures, list of items reserved for small scale industry; assessment of demand and supply in potential areas of growth, understanding business opportunity, considerations in product selection, data collection for setting up small ventures

Month of November

Project Report Preparation: Managerial and Operational aspects of small business; Human relations and performance in organization; Institution supporting entrepreneurial growth.

Month of December

Environmental considerations: concept of ecology and environment, air, water and noise pollution standards and control. Personal Protection Equipment (PPEs) for safety at work places.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Neelam**
Department	Commerce
Class & Section	M.com 3rdSem
Subject and Code	**Computer application in business**
Semester Duration	August to December

Topics

Month of August

Computer System: Meaning, scope, types; Basic computer organization: Central Processing Unit, input, output, and storage devices; Introduction to software; System software - operating system, user interface and its types

Month of September

Basic computer organization: Central Processing Unit, input, output, and storage devices; Introduction to software; System software - operating system, user interface and its types Application software - word processing, spreadsheets;

Month of October

Introduction to databases, tables, queries, reports and form generation. Fuzzy Logic, etc Information Technology in Business: Concept of information technology; Local Area Network– media & topologies and Wide Area Networks;

Month of November

Electronic data processing; Intranet and extranet, concept and evolution; World Wide Web;

Month of December

Multimedia technologies; Video conferencing; Broadband networks; Planning and designing web pages

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Neelam**
Department	Commerce
Class & Section	B.com 1st sem
Subject and Code	**Computer application in business**
Semester Duration	July to December

Topics

Month of July

Introduction to Management: characteristics approach

Month of August

significance process and functions of management; Management: as science, art and profession; Approaches to management: Classical and neo classical approach, behavioral approach, management science approach.

Month of September

systems approach and contingency approach; Emerging management concepts. II Planning: process and importance; Types of plans: Policy, programme, strategy, vision, mission, goals and objectives; Organizing: Principles and benefits of organizations.

Month of October

Organizational structure: Functional, line and staff, matrix, formal vs. informal; Organizational structure for large scale business organization, virtual organization. 15 III Staffing: Importance, scope and modes of staffing; Delegation: Advantages, barriers to delegation, guidelines for effective delegation.

Month of November

Advantages, barriers to delegation, guidelines for effective delegation; Decentralization and Centralization: Advantages and disadvantages; Factors influencing decentralization; Directing; Coordination.

Month of December

Controlling: Characteristics and process of control, prerequisites of an effective control system, controlling techniques. 15 IV Motivation: Objectives and significance; Approaches to motivation; Leadership: Significance and functions; Leadership styles; Approaches to leadership.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [OddSemester]

Name of Teacher	**Neelam**
Department	Commerce
Class & Section	B.com 1st sem
Subject and Code	**Personal Finance**
Semester Duration	July to December

Topics

Month of July

Personal finance: Concept, need, principles, scope; Personal finance services and strategies

Month of August

Personal financial planning: Process, factors affecting; Financial planner: Role and functions; Financial objectives; Time Value of Money: Compounding and discounting, Basics of investment.

Month of September

Investment avenues and strategies; Mutual Funds: Concept, types, asset management companies, identifying mutual fund for investment; Investing in stock markets: Identifying stocks, holding, day trading, hedging instruments, etc.

Month of October

loans: Sources and types; Identifying risky avenues for investment. Calculating risk and return of various investment avenues; Calculating costs in investment and loans, Identifying hidden costs; Tax treatment of investment.

Month of November

Likely causes of cheating and fraud in investment; Institutional framework for investing: SEBI, IRDA, RERA, AMFI, bank ombudsman, Insurance planning: Concept, importance.

Month of December

Types of insurance policies; Risk coverage and returns from insurance; Considerations in purchase of insurance policy; Retirement planning: Pension plans, NP

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	Minakshi
Department	Commerce
Class & Section	B.com 3rd sem.
Subject and Code	Business statistics, BC-302
Semester Duration	1st September 2022 - 24th December 2022

Topics

1st September 2022 - 15th September 2022

Introduction to Statistics
Collection of Data

16th September 2022 - 30th September 2022

Measures of Central Tendency-1
(Mean, Median, Mode)

1st October 2022 - 15th October 2022

Measures of Central Tendency -II
(Geometric Mean and Harmonic Mean)

16th October 2022 - 31st October 2022
Measures of Dispersion
1st November 2022 - 15th November 2022
Index Numbers-I Index Numbers-II
16th November 2022 - 30th November 2022
Time Series-I (Measurement of Linear Trend) Time Series Analyis-II(Measurement of Non-Linear Trend)
1st December 2022 - 15th December 2022
Time Series Analyis-III(Measurement of Seasonal Variations) test and revision
16th December 2022 - 24th December 2022
test and revision
Note:- The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Techer	**Minakshi**
Department	**Commerce**
Class & Section	**B.com 1st sem.**
Subject and Code	**Business Communication , BC-106**
Semester Duration	**1st September 2022 - 24th December 2022**

Topics

1st September 2022 - 15th September 2022

business communication:Basic forms and model
theories of communication
audience analysis

16th September 2022 - 30th September 2022

corporate communication
miscommunication barriers and improvements
effective presentation skills

1st October 2022 - 15th October 2022

practices in business communication
forms of electronic communication

16th October 2022 - 31st October 2022

1st November 2022 - 15th November 2022
Non-verbal aspects of communication
16th November 2022 - 30th November 2022
effective listening skills writing business letter
1st December 2022 - 15th December 2022
test and revision
16th December 2022 - 24th December 2022
test and revision
Note:- The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2022-23) [Odd Semester]

Name of Teacher	Minakshi
Department	Commerce
Class & Section	B.com 3rd sem.
Subject and Code	Indian financial System , BC-305
Semester Duration	1st September 2022 - 24th December 2022

Topics

1st September 2022 - 15th September 2022

Indian financial system- an overview
financial system and economic development

16th September 2022 - 30th September 2022

money market
capital market
problem of non- performing asset in commercial banks

1st October 2022 - 15th October 2022

depositories security and exchange Board of India (SEBI)
Debt market

16th October 2022 - 31st October 2022
credit creation credit control
1st November 2022 - 15th November 2022
payment bank and e banking in India Development Banks
16th November 2022 - 30th November 2022
commercial banking in India
1st December 2022 - 15th December 2022
Reserve Bank of India Test and revision
16th December 2022 - 24th December 2022
test and revision
Note:- The teaching of topics to the students on the duration mentioned above may not be exactly followed and may have little variations/fluctuations because of some unforeseen circumstances. For example: various Functions/Activities organized by the College (Musical Meet, Blood Donation, Important Days Celebrations, Co-Curricular/Extra-curricular Activities etc.), Response of Students in the Class, Request of Students for Repetition of some specific Topics, Practical Examinations, Unpredicted Leaves, Restricted Holidays etc.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Anukriti**
Department	**Commerce**
Class & Section	B.com 3rd sem
Subject and Code	**Business Law**
Semester Duration	July to Nov

Topics

Month of July

Law of Contract (1872): nature and types

Month of August

classification of contract; offer and acceptance; capacity of parties to contract; free consent; consideration; legality of object

Month of September

Agreement declared void; performance of contract; discharge of contract, remedies for breach of contract;

Month of October

Contingent contracts; Quasi contracts. Special contracts: indemnity & guarantee; bailment and pledge; contract of agency. Sale of Goods Act 1930: formation of contract of sale; goods and their classification, price; conditions and warranties

Month of November

agreement transfer of property in goods; performance of the contract of Sale; Remedies: unpaid seller and his rights, buyer's remedies; Auction sale. Consumer Protection Act 1986.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	Anukriti
Department	Commerce
Class & Section	B.Com 3rd sem
Subject and Code	Indian Financial system
Semester Duration	July to November

Topics

Month of July

Introduction: nature and role of financial system

Month of August

Financial system and economic development; An overview of Indian financial system. Components of financial system: Financial markets and financial instruments: money and capital markets:

Month of September

Money market: meaning, constituents instruments and functions, recent developments in Indian money market; Capital market: primary and secondary market; Depository system, recent developments in Indian capital market

Month of October

SEBI: its formation, role and recent developments. The Debt Market: meaning, features, participants, instruments; private, PSUs & Government securities market. Financial institutions: Reserve Bank of India: organization, management and functions; credit creation and credit control. Commercial banks: meaning and functions, structure and recent developments in commercial banking in India;

Month of November

E-banking, NPA's in Commercial Banks, Payment Banks. Development banks: concept, objectives and functions; recent developments in development banking

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Anukriti**
Department	Commerce
Class & Section	B.com 1st sem
Subject and Code	Business Law
Semester Duration	July to December

Topics

Month of July

The Indian Contract Act,1872: nature and classification of contracts; Essentials of a valid contract

Month of August

An overview of Proposal and acceptance, Capacity of parties to contract, Free consent, Lawful consideration, Lawful object;

Month of September

Void Agreement; Performance of contract; Discharge of contract; Remedies for breach of contract. Sale of Goods Act, 1930: Formation of contract of sale; Goods and their classification; Price; Conditions and warranties;

Month of October

Transfer of ownership in goods; Performance of the contract of sale; Remedies: unpaid seller and his rights, buyer"s remedies; Auction sale, Online auction. Indian Partnership Act 1932: Nature of firm; Duties and rights of partners; Liabilities of firm and partner

Month of November

Limited Liability Partnership Act, 2008: concepts, characteristics of LLP; Incorporation of LLP; LLP agreement, Extent & limitations of liabilities of LLP and partners.

Month of December

Negotiable Instruments Act, 1881: scope, features and types; Negotiation; Crossing; Dishonor and discharge of negotiable instruments. Information Technology Act, 2000: Purpose; Benefits and limitations; Digital signature; E-Governance; Attribution of electronic records, duties of subscribers; Penalties and adjudication offences

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]	
Name of Teacher	**Anukriti**
Department	Commerce
Class & Section	M.com 3rd sem
Subject and Code	**Marketing Research**
Semester Duration	August to December

Topics

Month of August

Introduction to Marketing Research: Nature and scope

Month of September

Importance; Marketing research process. Formulating the Problem, Research Design: Exploratory, experimental and descriptive research, Sampling design; Sources of information;

Month of October

Designing questionnaire; Methods of data collection; Scaling techniques; Sampling and non-sampling errors.

Month of November

Qualitative Research: Meaning, process and methodologies.

Month of December

Qualitative Research Techniques: Observation, Survey

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Anukriti**
Department	Commerce
Class & Section	M.com 3rd sem
Subject and Code	**Advanced Financial Management**
Semester Duration	August to December

Topics

Month of August

Dividend Decisions: Types & determinants of dividend decisions, Dividend models, corporate dividend practices in India.

Month of September

Capital Structure Decisions: Concept & importance, Determinants of capital structure, theories of capital structure, optimum capital structure, financial indifference point; Leverage: Operating, financial & combined leverage, EBIT-EPS analysis.

Month of October

Corporate Restructuring: Need and broad areas of corporate restructuring, objectives, techniques of corporate restructuring.

Month of November

.Mergers & Takeover: Types & objectives, legal and procedural aspect of mergers and takeover process, valuation & financing of mergers & acquisitions, post-merger-problems & reorganization, taxation and financial aspects of mergers, takeover defences. An overview of mergers & takeovers in India.

Month of December

Financial Restructuring: Need & steps in financial restructuring, reorganization of capital, buyback of shares-concept, necessity and procedure. Financial management of sick units.

Govt. College, Aharwala (Bilaspur) -Yamuna Nagar Lesson Plan (2023-24) [Odd Semester]

Name of Teacher	**Anukriti**
Department	Commerce
Class & Section	M com 1ˢᵗ Sem
Subject and Code	**Accounting for manegrial Decesion**
Semester Duration	**August to december**

Topics

Month of August

Management Accounting: Meaning, objectives, nature, tools& techniques of management accounting; Installation of management accounting system; Role of management accountant. Management Information System and Reporting: Objectives, types and methods of reporting, reporting needs at different levels of management; Designing and installation of a reporting system.

Month of September

Responsibility Accounting and Divisional Performance Measurement: Meaning, significance and fundamental aspects of responsibility accounting; Responsibility centers; Divisional performance evaluation: Measures of performance - Return on Investment vs. residual Income; Methods and Problem of transfer pricing.

Month of October

Budgeting: Essentials of budgeting; Kinds of budgets; Budgetary control; Zero-base budgeting. Standard Costing and Variance Analysis: Types of standards, Setting of standards and their revision; Variance analysis – Material, labour and overheads, control of variances.

Month of November

Marginal Costing and Break-even Analysis: Concept, Marginal costing versus absorption costing, Preparation of income statements, Break-even analysis & Cost-Profit- volume analysis; Composite break-even-point, managerial applications of marginal costing. Contemporary Issues in Management Accounting: Price level adjustment accounting; Value chain analysis; Activity-based costing; Quality costing; Target and life cycle costing.