

OFFICE OF THE PRINCIPAL GOVT. COLLEGE FOR GIRLS, PALWAL (KURUKSHETRA)
LESSON-PLAN (Session 2025-26) Odd Sem

Name of Assistant Professor: Ms. Reena Rani

Class : B.Sc.(CS)

Semester Ist Semester

Subject /Paper : Problem Solving through C(Course Code B23-CSE-101)

Sr. no	Week	Topics to be covered	Remarks if any
1	22-30 July 2025	Overview of C: History, Importance,	
2	1-8 August 2025	Structure of C Program, Character Set, Constants and Variables,	
3	11-14 August 2025	Identifiers and Keywords, Data Types, Assignment Statement, Symbolic Constant. Input/output	
4	18-23 August 2025	Formatted I/O Function-, Input Functions viz. scanf(), getch(), getche(), getchar(), gets(), output functions viz. printf(), putchar(), puts().	
5	25-30 August 2025	Operators & Expression: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment, Conditional Operators and Special Operators Operator Hierarchy;	Assignment
6	1-6 September 2025	Arithmetic Expressions, Evaluation of Arithmetic Expression, Type Casting and Conversion. Decision making with if statement, ifelse statement, nested if statement, else- if ladder,	
7	8-13 September 2025	switch and break statement, goto statement, Looping Statements: for, while, and dowhile loop, jumps in loops.	
8	15-20 September 2025	Arrays: One Dimensional arrays - Declaration, Initialization and Memory representation; Two Dimensional arrays -Declaration, Initialization and Memory representation.	
9	24-30 September 2025	Functions: definition, prototype, function call, passing arguments to a function: call by value; call by reference, recursive functions.	
10	1,3,4,6 October 2025	Strings: Declaration and Initialization, String I/O, Array of Strings, String Manipulation Functions: String Length, Copy, Compare, Concatenate etc., Search for a Substring.	
11	8-11 October 2025	Pointers in C: Declaring and initializing pointers, accessing address and value of variables using pointers;	
12	13-18 October 2025	Pointers and Arrays.	
13	19-26 October 2025	User defined data types: Structures - Definition, Advantages of Structure, declaring structure variables, accessing structure members	Class test
14	27-31 October 2025	Structure members initialization, Array of Structures;	
15	3,4,6-8 November 2025	Union definition; difference between Structure and Union.	
16	10-15 November 2025	Revision	
17	17-22,24 November 2025	Revision	
18	25 November 2025 onwards	Examinations	

***Vacation as per university calendar**

***Assignments and unit test will be taken as per schedule**

OFFICE OF THE PRINCIPAL GOVT. COLLEGE FOR GIRLS, PALWAL (KURUKSHETRA)
LESSON-PLAN (Session 2025-26)Odd Sem

Name of Assistant Professor:Ms.Reena Rani

Class : BCA

Semester Ist Semester

Subject /Paper : Problem Solving through C (B23-CSE-101)

Sr. no	Week	Topics to be covered	Remarks if any
1	22-30 July 2025	Overview of C: History, Importance,	
2	1-8 August 2025	Structure of C Program, Character Set, Constants and Variables,	
3	11-14 August 2025	Identifiers and Keywords, Data Types, Assignment Statement, Symbolic Constant. Input/output	
4	18-23 August 2025	Formatted I/O Function-, Input Functions viz. scanf(), getch(), getche(), getchar(), gets(),output functions viz.printf(), putchar(), puts().	
5	25-30 August 2025	Operators & Expression: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment, Conditional Operators and Special Operators Operator Hierarchy;	Assignment
6	1-6 September 2025	Arithmetic Expressions, Evaluation of Arithmetic Expression, Type Casting and Conversion. Decision making with if statement, ifelse statement, nested if statement, else- if ladder,	
7	8-13 September 2025	switch and break statement, goto statement, Looping Statements: for, while, and dowhile loop, jumps in loops.	
8	15-20 September 2025	Arrays: One Dimensional arrays - Declaration, Initialization and Memory representation; Two Dimensional arrays -Declaration, Initialization and Memory representation.	
9	24-30 September 2025	Functions: definition, prototype, function call, passing arguments to a function: call by value; call by reference, recursive functions.	
10	1,3,4,6 October 2025	Strings: Declaration and Initialization, String I/O, Array of Strings, String Manipulation Functions: String Length, Copy, Compare, Concatenate etc., Search for a Substring.	
11	8-11 October 2025	Pointers in C: Declaring and initializing pointers, accessing address and value of variables using pointers;	
12	13-18 October 2025	Pointers and Arrays.	
13	19-26 October 2025	User defined data types: Structures - Definition, Advantages of Structure, declaring structure variables, accessing structure members	Class test
14	27-31 October 2025	Structure members initialization, Array of Structures;	
15	3,4,6-8 November 2025	Union definition; difference between Structure and Union.	
16	10-15 November 2025	Revision	
17	17-22,24 November 2025	Revision	
18	25 November 2025 onwards	Examinations	

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LESSON-PLAN (Session 2025-26) Odd Sem

Name of Assistant Professor: Ms. Reena Rani

Class : BCA

Semester IIIrd Semester

Subject /Paper : Database Technologies

Sr. no	Week	Topics to be covered	Remarks if any
1	22-30 July 2025	Basic Concepts – Data, Information, Records and files. Traditional file – based Systems-File Based Approach-Limitations of File Based Approach,	
2	1-8 August 2025	Database Approach-Characteristics of Database Approach, Database Management System (DBMS), Components of DBMS Environment	
3	11-14 August 2025	DBMS Functions and Components, Advantages and Disadvantages of DBMS,	
4	18-23 August 2025	Roles in the Database Environment - Data and Database Administrator, Database Designers, Applications Developers and Users.	
5	25-30 August 2025	Database System Architecture – Three Levels of Architecture, External, Conceptual and Internal Levels	
6	1-6 September 2025	Schemas, Mappings and Instances	
7	8-13 September 2025	Data Independence – Logical and Physical Data Independence	
8	15-20 September 2025	Client Server architecture to DBMS	
9	24-30 September 2025	Classification of Database Management System, Centralized and	
10	1,3,4,6 October 2025	Data Models: Records- based Data Models, Object-based Data Models, Physical Data Models and Conceptual Modeling	
11	8-11 October 2025	Entity-Relationship Model – Entity Types, Entity Sets, Attributes Relationship Types	
12	13-18 October 2025	Relationship Instances and ER Diagrams	
13	19-26 October 2025	Relational Data Model:-Brief History, Terminology in Relational	
14	27-31 October 2025	Data Structure, Relations, Properties of Relations	
15	3,4,6-8 November 2025	Keys, Domains, Integrity Constraints over Relations	
16	10-15 November 2025	Base Tables and Views, Basic Concepts of Hierarchical and Network Data Model.	
17	17-22,24 November 2025	REVISION	
18	25 November 2025 onwards	Examinations	

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OFFICE OF THE PRINCIPAL GOVT. COLLEGE FOR GIRLS, PALWAL (KURUKSHETRA)
LESSON-PLAN (Session 2025-26) Odd Sem

Name of Assistant Professor: Ms.Reena Rani

Class : BA

Semester : Ist Sem(Section-B)

Subject /Paper :Office and spreadsheet Tools Learning(B23-SEC-101)

Sr. no	Week	Topics to be covered	Remarks if any
1	22-30 July 2025	Introduction to syllabus	
2	1-8 August 2025	Operating System - Definition, Functions, Types of Operating System, Basics of Popular Operating Systems, The User Interface, Exploring Computer, Icons, taskbar, desktop	
3	11-14 August 2025	Using Menu and Menu selection, managing files and folders, Control panel – display properties, add/remove software and hardware, Common utilities	
4	18-23 August 2025	Word Processing - Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking	
5	25-30 August 2025	Mail Merge, Macros, Inserting hyperlinks, Searching for text, Modifying page setup, Applying document themes,	Assignment
6	1-6 September 2025	Applying document style sets, Inserting headers and footers.	
7	8-13 September 2025	Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet,	
8	15-20 September 2025	Menus, Manipulation of cells: Enter texts numbers and dates	
9	24-30 September 2025	Printing, Views, Tables, Word Art	
10	1,3,4,6 October 2025	Cell Height and Widths, Copying of cells, Mathematical, Statistical and Financial function	
11	8-11 October 2025	Drawing different types of charts	
12	13-18 October 2025	Sort and Filter Data	
13	19-26 October 2025	Animation	
14	27-31 October 2025	Presentation Software: Creating, Modifying and enhancing a presentation	
15	3,4,6-8 November 2025	Type of presentation views, Using sound	
16	10-15 November 2025	Working with Objects, Printing.	
17	17-22,24 November 2025	Revision	
18	25 November 2025 onwards	Examination	

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OFFICE OF THE PRINCIPAL GOVT. COLLEGE FOR GIRLS, PALWAL (KURUKSHETRA)
LESSON-PLAN (Session 2025-26)Odd Sem

Name of Assistant Professor:Ms. Reena Rani

Class : B.Com, B.A

Semester : 3rd sem

Subject /Paper Programming with C(B23-CSE-303)

Sr. no	Week	Topics to be covered	Remarks if any
1	22-30 July 2025		
2	1-8 August 2025		
3	11-14 August 2025		
4	18-23 August 2025		
5	25-30 August 2025		
6	1-6 September 2025	Overview of C: History, Importance	
7	8-13 September 2025	Structure of C Program, Character Set, Constants and Variables	
8	15-20 September 2025	Identifiers and Keywords, Data Types, Assignment Statement, Symbolic Constant. Input/output	
9	24-30 September 2025	Formatted I/O Function-, Input Functions viz. scanf(), getch(), getche(), getchar(), gets(), output functions viz.printf(), putch(), putchar(), puts().	
10	1,3,4,6 October 2025	Operators & Expression: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment, Conditional Operators and Special Operators Operator Hierarchy	
11	8-11 October 2025	Arithmetic Expressions, Evaluation of Arithmetic Expression, Type Casting and Conversion.	Assignment
12	13-18 October 2025	Decision making with if- statement, if else statement, nested if statement, else- if ladder	
13	19-26 October 2025	switch and break statement, goto statement	
14	27-31 October 2025	Looping Statements: for, while, and dowhile loop, jumps in loops	Class test
15	3,4,6-8 November 2025	Functions: definition, prototype, function call passing arguments to a function	
16	10-15 November 2025	call by value; call by reference, recursive functions	
17	17-22,24 November 2025	Arrays:Definition, Types, Initialization, Multi-Dimensional arrays	
18	25 November 2025 onwards	Examination	

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LESSON-PLAN (Session 2025-26) Odd Sem

Name of Assistant Professor: Ms.Reena Rani

Class : BCA
Semester : Vth Semester
Subject /Paper : Networks Infrastructure and Data Communication (B23-CAP-503)

Sr. no	Week	Topics to be covered	Remarks if any
1	22-30 July 2025	-	
2	1-8 August 2025	Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies	
3	11-14 August 2025	Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways;	
4	18-23 August 2025	Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services; OSI Reference Model; Networking Models	
5	25-30 August 2025	Distributed Systems, Client/Server Model, Peer-to-Peer Model, Web-Based Model and Emerging File-Sharing Model	Assignment
6	1-6 September 2025	Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate; Transmission Impairment	
7	8-13 September 2025	Data Rate Limits; Guided Transmission Media; Wireless Transmission ; Communication Satellite	
8	15-20 September 2025	Switching and Multiplexing; Modems and Modulation techniques; ADSL and Cable Modems	
9	24-30 September 2025	Data Link Layer Design issues; Error Detection and Correction; Sliding Window Protocols: One-bit, Go Back N and Selective Repeat	Class test
10	1,3,4,6 October 2025	Media Access Control: ALOHA, Slotted ALOHA, CSMA, Collision free protocols; Introduction to LAN technologies	
11	8-11 October 2025	Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring	
12	13-18 October 2025	Introduction to Wireless LANs and Bluetooth; VLANs	
13	19-26 October 2025	Routing Algorithms: Flooding, Shortest Path Routing,	
14	27-31 October 2025	Distance Vector Routing; Link State Routing, Hierarchical Routing	
15	3,4,6-8 November 2025	Congestion Control; Traffic shaping; Choke packets	
16	10-15 November 2025	Load shedding; Elements of Transport Protocols	
17	17-22,24 November 2025	Network Security Issues: Security attacks; Encryption methods; Digital Signature; Digital Certificate	
18	25 November 2025 onwards	Examination	

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