

## **LESSON PLAN**

**Even SEM  
(2021-2022)**

**Name of the Assistant Professor-** Simranjeet Kaur

**Department-** Electronics & IT

**Lesson Plan-** 12 Weeks (11.04.2022- 30.06.2022)

Week	Date	B.Sc. (Hons.)-IT Sem- 2nd Paper: BSIT-206 Subject: Programming Techniques Days: M-T-W	B.Sc. - III(Hons.)-IT Sem-6th Paper: BSIT-604 Subject: Internet Concepts and Applications -II Days: Th-F-S (3 Days)	B.Sc. Computer science and electronic Sem-6th Paper- Paper II Subject: Introduction to C & its Programming: Days:M-T-W	B.Sc. -II (Hons.) Sem-4th Paper:BSIT 406 Subject: Computer Programming with C-II Days: Th-F-S(3 days )
1	11.04.2022	<u>Unit-1</u> Purpose of program planning		C.Fundamentals:The character set	
	12.04.202	Flowcharts: Meaning, Use, Symbols Used		identifiers & keywords	
	13.04.2022	Levels of Flowcharts		data types	
	14.04.2022	<b>Holiday</b>			
	15.04.2022		<u>Unit1</u> Computer security [ an introduction ]		<b>Unit-I:</b> Preprocessor Directives: The Preprocessor
	16.04.2022		cryptography		File inclusion directives
2	17.04.2022	<b>Sunday</b>			
	18.04.2022	Flowcharting rules, Advantages and limitations of Flowcharts		constants	
	19.04.2022	Decision tables		variables& arrays	
	20.04.2022	Pseudo code: Meaning		Arrays Declaration	

	21.04.2022		data encryption standards definitions		Macro substitution directives
	22.04.2022		breaches of security		Compiler control directives,
	23.04.2022		security of measures		other directives
<b>3</b>	24.04.2022	<b>Sunday</b>			
	25.04.2022	Pseudo codes for Basic Logic (Control) Structures		expressions statements,	
	26.04.2022	Pseudo codes for Basic Logic (Control) Structures		symbolic constant	
	27.04.2022	Advantages and Limitations of Pseudo Codes		Operators and expressions : Arithmetic operators, unary operators	
	28.04.2022		Classification of virus		Strings: Strings and String functions
	29.04.2022		prevention and cure		String I/O functions: gets(), puts()
	30.04.2022		Cookies[ basic idea ]		Revision of Unit-I
<b>4</b>	01.05.2022	<b>Sunday</b>			
	02.05.2022	<b>Class Test</b>		relational and logical operators	
	03.05.2022	<b>Holiday</b>			
	04.05.2022	<u>Unit2</u> Introduction to Computer problem-solving aspect		assignment operators, conditional operators.	

	05.05.2022		Doubt Sesion		<b>Unit-II:</b> Functions: Creating & Using Functions in programs
	06.05.2022		<b>Unit-II</b> Multimedia concepts		Return statement,
	07.05.2022		Multimedia design considerations		Formal & Actual Arguments
<b>5</b>	08.05.2022	<b>Sunday</b>			
	09.05.2022	Algorithms: its meaning and Assignment of Unit 1		Data input and output: Entering input data- The scanned function	
	10.05.2022	Representation of Algorithm		Writing output data- The print function	
	11.05.2022	Efficiency of Algorithms		Revision	
	12.05.2022		Performance and Size		Local & Global Variables
	13.05.2022		Online chatting		Call by value & Call by Reference
	14.05.2022		Conferencing concepts		Passing arrays to functions
	<b>6</b>	15.05.2022	<b>Sunday</b>		
16.05.2022		Doubt Session on Unit-II		Control statements: While statement	
17.05.2022		<b>Unit 3</b> Introduction to Fundamental Algorithms		Do-while statement,	
18.05.2022		Summation of a set of numbers, Factorial computation		For statement	
19.05.2022			Doubt Session		Recursion

	20.05.2022		<b>Unit 3</b> E- commerce: Meaning and Types		Command line arguments
	21.05.2022		Evaluation		Programming examples using functions
<b>7</b>	22.05.2022	<b>Sunday</b>			
	23.05.2022	Sine Function Computation, Fibonacci sequence		If-else statement,switch statement	
	24.05.2022	Reversing the digits of an integer, Introduction to Algorithm for factoring methods		break statement , continue statement	
	25.05.2022	Square root of number, Smallest divisor of an integer		Function: Defining a Function	
	26.05.2022		Types of sites		<b>Unit-III</b> Introduction to Pointers
	27.05.2022		Selling via secure servers interacting with customers		Pointer Variables, Operators
	28.05.2022		EDI		Pointer Expressions
	<b>8</b>	29.05.2022	<b>Sunday</b>		
30.05.2022		Greatest Common Divisor, Generating Prime numbers		Accessing a Function, passing arguments to a Function	

	31.05.2022	Pseudo Random numbers, raising a number to a large power		specify arguments	
	01.06.2022	Algorithm techniques for merge, sort, search operations		data types	
	02.06.2022	<b>Holiday</b>			
	03.06.2022	<b>Holiday</b>			
	04.06.2022		EDI		Pointers and Arrays
<b>9</b>	05.06.2022	<b>Sunday</b>			
	06.06.2022	Doubt Session on Unit-III		Arrays: Defining an Array, processing an Array	
	07.06.2022	<b>Unit 4</b> Introduction to Excel, Spreadsheet			
	08.06.2022	Creation, manipulation of spreadsheet			
	09.06.2022		EFT		User Defined Data types: Structures, Array of structures
	10.06.2022		<b>UNIT-IV</b> Intranet, Intranet vs. Groupware		Passing Structures to functions
	11.06.2022		Intranet Hardware, software		Structure and Pointers
	<b>10</b>	12.06.2022	<b>Sunday</b>		
13.06.2022		Importing database		Multidimensional arrays, strings	
14.06.2022		<b>Holiday</b>			

	15.06.2022	Concepts of macros,		Pointers: Fundamentals,pointer declaration	
	16.06.2022		Intranet Services( Web (HTTP) Publishing,H TML,Hypertext)		Unions, Enumerated data types
	17.06.2022		Communication Systems (Email, Fax)		typedef.
	18.06.2022		Software used in Electronic mail, Electronic Meeting Systems		<b>Unit 4</b> Storage Classes: auto, extern, register
<b>11</b>	19.06.2022	<b>Sunday</b>			
	20.06.2022	Concepts of charts,graphs		passing pointers to a function	
	21.06.2022	How to use Formula in Exce		pointers and one dimensional arrays	
	22.06.2022	<b>Doubt Session</b>		operations on pointers	
	23.06.2022		Audio conferencing, Video Conferencing		static Storage classes <b>Files:</b> Opening and Closing a Data File
	24.06.2022		Groupware,Extranet		File Pointers
	25.06.2022		<b>Sessional</b>		Creating a Data File, Processing a Data File
<b>12</b>	26.06.2022	<b>Sunday</b>			
	27.06.2022	Practical Implementation of Excel concepts		Sessional	
	28.06.2022	<b>PYQ</b>			Sessional

	29.06.2022	PYQ			
	30.06.2022	Sessional			Reading and writing to text and binary files.