

## DEPARTMENT OF INFORMATION TECHNOLOGY ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU, Kakinada, Recognized by Government of A.P)
An ISO 9001: 2015 Certified Institution & Accredited by NAAC

ITI Road, ALC Campus, VIJAYAWADA - 520 008 :: Website : www.aliet.ac.in Ph : 0866 - 2476161

## **LESSON PLAN**

Subject : Programming for Problem Solving using C					
Year : I B-Tech Semester : I Branch : IT					
Faculty: MD IMRAN	Reg: R20	Academic Year : 2020-21			

## **COURSE OBJECTIVES:**

The objectives of Programming for Problem Solving Using C are

- 1) To learn about the computer systems, computing environments, developing of a computer program and Structure of a C Program
- 2) To gain knowledge of the operators, selection, control statements and repetition in C
- 3) To learn about the design concepts of arrays, strings, enumerated structure and union types. To learn about their usage.
- 4) To assimilate about pointers, dynamic memory allocation and know the significance of Preprocessor.
- 5) To assimilate about File I/O and significance of functions

## **COURSE OUTCOMES:**

The student will

- 1) Acquires skills to write, compile and debug programs in C language.
- 2) Be able to use different operators, data types and write programs that use two-way/multi-way selection.
- 3) Acquire knowledge to select the best loop construct for a given problem.
- 4) Design and implements programs to analyze the different pointer applications
- 5) Design and implements C programs with functions, File I/O operations

1	Factual	CO1:Acquires skills to write, compile and debug programs in C language.
2	Conceptual	CO2;Be able to use different operators, data types and write programs that use two-way/ multi-way selection.
3	Procedural	CO3:Acquire knowledge to select the best loop construct for a given problem.
4	Applied	CO4:Design and implements programs to analyze the different pointer applications C05:Design and implements C programs with functions, File I/O operations

S.no	Concept	Objective	Pre-Class	In-Class	Post-Class
1	Introduction to Computers: Computer Systems Computing Environments Computer languages	Introduction to Computers: Computer Systems	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=z3KnlfA TUek&list=PLYsKWjcn p5DKS0wdoYR2FA0gt2 5jjBAIV Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
2	Creating and running Programs	To understand the concept Creating and running Program	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=aaM05-g K_88 Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic

3	Computer Numbering System	To understand the concept Computer Numbering System	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=MPMX7 TKcGis Web Link: https://www.javatpoint.co	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity	Discussion Forum on the topic in the group  Review on the topic
			m/c-programming-langua ge-tutorial	(5 min) Summery (5min) Doubts clari-fication (10 min)	Share material on the topic
4	Storing Integers Storing Real Numbers	To understand the concept Storing Integers Storing Real Numbers	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=vmVwzt 6-Eng Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
5	Introduction to the C Language: Background	Introduction to C Language	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=si-KFFO W2gw Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

6	C Programs Identifiers	To understand the concept C Programs Identifiers	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=AjYHnV 9CqH4 Web Link: https://www.javatpoint.co	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity	Discussion Forum on the topic in the group  Review on the topic
			m/c-programming-langua ge-tutorial	(5 min) Summery (5min) Doubts clari-fication (10 min)	Share material on the topic
7	Types Variable Constants	To understand the concept Types Variable Constants	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=F-Puo7b o-Cw Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
8	Input/output, Programming Examples	To understand the concept Input/output, Programming Examples	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=kidWWc v1g0A Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic

9	Scope	То	Text Book :	Discussion on	Discussion
	Storage	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Classes and	the concept	Video	(10 Min)	topic in the
	Type Qualifiers	Scope	Link:https://www.youtub	PPT	group
		Storage	e.com/watch?v=eNH5Kq	presentation	
		Classes and	zOM7c	(30 Min)	Review on
		Type	Web Link:	Discussion or	the topic
		Qualifiers	https://www.javatpoint.co	Poll activity	1
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	1
				clari-fication	
				(10 min)	
11	Structure of a	Introduction	Text Book:	Discussion on	Discussion
	C Program:	to Structure	Pdf (e-book) Upload	pre-requisites	Forum on the
	Expressions	in C	Video	(10 Min)	topic in the
	Precedence and		Link:https://www.youtub	PPT	group
	Associativity		e.com/watch?v=8H9G62	presentation	
			1pQq0	(30 Min)	Review on
			Web Link:	Discussion or	the topic
			https://www.javatpoint.co	Poll activity	
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	
12	Side Effects,	То	Text Book:	Discussion on	Discussion
	Evaluating	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Expressions	the concept	Video	(10 Min)	topic in the
		Side Effects,	Link:https://www.youtub	PPT	group
		Evaluating	e.com/watch?v=WJqw-c	presentation	
		Expressions	xvKgo	(30 Min)	Review on
			Web Link:	Discussion or	the topic
			https://www.javatpoint.co	Poll activity	
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	

13	Туре	То	Text Book:	Discussion on	Discussion
	Conversion	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Statements	the concept	Video	(10 Min)	topic in the
		Type	Link:https://www.youtub	PPT	group
		Conversion	e.com/watch?v=94kgGE	presentation	
		Statements	NcWS0	(30 Min)	Review on
			Web Link:	Discussion or	the topic
			https://www.javatpoint.co	Poll activity	
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
14	Simple	То	Text Book :	(10 min) Discussion on	Discussion
17	Programs	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Command Line	the concept	Video	(10 Min)	topic in the
	Arguments	Simple	Link:https://www.youtub	PPT	group
	8	Programs	e.com/watch?v=39jE9pX	presentation	8-3-4
		Command	xs10	(30 Min)	Review on
		Line	Web Link :	Discussion or	the topic
		Arguments	https://www.javatpoint.co	Poll activity	
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication (10 min)	
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OIVII-	·11				
1	Bitwise	То	Text Book:	Discussion on	Discussion
	Operators:	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Exact Size	the	Video	(10 Min)	topic in the
	Integer Types	conceptBitwi	Link:https://www.youtub	PPT	group
		se Operators:	e.com/watch?v=jlQmeyc	presentation	
		Exact Size	e65Q	(30 Min)	Review on
		Integer Types	Web Link:	Discussion or	the topic
			https://www.javatpoint.co m/c-programming-langua	Poll activity (5 min)	Share
			ge-tutorial	Summery	material on
			50 (410)141	(5min)	the topic
				Doubts	ine topic
				clari-fication	
				(10 min)	

2	Logical	То	Text Book:	Discussion on	Discussion
	Bitwise	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Operators,	the concept	Video	(10 Min)	topic in the
	Shift Operators	Logical	Link:https://www.youtub	PPT	1 -
	Sinit Operators	Bitwise	e.com/watch?v=dZMXcf	presentation	group
		Operators,	5Pnm8	(30 Min)	Review on
		Shift	Web Link:	Discussion or	the topic
				Poll activity	l the topic
		Operators	https://www.javatpoint.co m/c-programming-langua	(5 min)	Share
				, , ,	material on
			ge-tutorial	Summery (5min)	1
				Doubts	the topic
				clari-fication	
3	Calaat: 0-	Т-	Tayt Dools	(10 min)	Digayeries
3	Selection &	To	Text Book:	Discussion on	Discussion
	Making	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Decisions:	the concept	Video	(10 Min)	topic in the
	Logical Data	Selection &	Link:https://www.youtub	PPT	group
	and Operators	Making	e.com/watch?v=wqQp5V	presentation	D .
		Decisions:	MQ3fc	(30 Min)	Review on
		Logical Data	Web Link:	Discussion or	the topic
		and	https://www.javatpoint.co	Poll activity	G1
		Operators	m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	
4	Two Way	То	Text Book:	Discussion on	Discussion
	Selection,	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Multiway	the concept	Video	(10 Min)	topic in the
	Selection	Two Way	Link:https://www.youtub	PPT	group
		Selection,	e.com/watch?v=wqQp5V	presentation	_
		Multiway	MQ3fc	(30 Min)	Review on
		Selection	Web Link:	Discussion or	the topic
			https://www.javatpoint.co	Poll activity	
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	

5	More Standard Functions	To understand	Text Book : Pdf (e-book) Upload	Discussion on pre-requisites	Discussion Forum on the
		the concept	Video Link:	(10 Min)	topic in the
		More	Web Link:	PPT	group
		Standard	https://www.javatpoint.co	presentation	
		Functions	m/c-programming-langua	(30 Min)	Review on
			ge-tutorial	Discussion or	the topic
				Poll activity	~-
				(5 min)	Share
				Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	
6	Tips and	To Revise all	Text Book:	Discussion on	Discussion
	Common	the concepts	Pdf (e-book) Upload	pre-requisites	Forum on the
	Programming		Video Link:	(10 Min)	topic in the
	Errors		Web Link:	PPT	group
	Key Terms,		https://www.javatpoint.co	presentation	<i>-</i> .
	Summary,		m/c-programming-langua	(30 Min)	Review on
	Practice Set		ge-tutorial	Discussion or	the topic
				Poll activity	CI.
				(5 min)	Share
				Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
	D (;;;	T	T. (D. 1	(10 min)	D
7	Repetition:	To	Text Book:	Discussion on	Discussion
	Concept of	understand	Pdf (e-book) Upload Video	pre-requisites	Forum on the
	Loop Protest and	the concept		(10 Min)	topic in the
	Pretest and	Repetition:	Link:https://www.youtub	PPT	group
	Post-test Loops	Concept of	e.com/watch?v=iNO3g7S	presentation (20 Min)	Dovious on
		Loop Pretest and	-rj4 Web Link :	(30 Min) Discussion or	Review on
		Post-test	https://www.javatpoint.co	Poll activity	the topic
		Loops	m/c-programming-langua	(5 min)	Share
		Loops	ge-tutorial	Summery	material on
			ge-tutoriai	(5min)	the topic
				Doubts	inc topic
				clari-fication	
				(10 min)	

8	Initialization and Updating	To understand the concept Initialization and Updating	Text Book: Pdf (e-book) Upload Video Link:Link:https://www.y outube.com/watch?v=YU WGfWgNz4Y Web Link:	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or	Discussion Forum on the topic in the group  Review on the topic
			https://www.javatpoint.co m/c-programming-langua ge-tutorial	Poll activity (5 min) Summery (5min) Doubts clari-fication	Share material on the topic
				(10 min)	
9	Event and Counter Controlled Loops Loops in C	To understand the concept Event and Counter Controlled Loops Loops in C	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=YUWGf WgNz4Y Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
10	Other Statements Related to Looping Looping Applications	To understand the concept Other Statements Related to Looping Looping Applications	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=21111_9 Osd0 Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

11	Programming Example The Calculator Program	To understand the concept Programming Example The Calculator Program	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=DZrV17 B-BAs Web Link: https://www.javatpoint.co m/c-programming-langua	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min)	Discussion Forum on the topic in the group  Review on the topic Share
LINIT	TIT		ge-tutorial	Summery (5min) Doubts clari-fication (10 min)	material on the topic
UNIT-		<b>.</b>	<u> </u>		
1	Arrays: Concepts, Using Array in C Array Application	Introduction to Array	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=55l-aZ7_ F24 Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic
2	Two Dimensional Arrays  Multidimensio nal Arrays	To understand the concept	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=ctWXF0f AO-w Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

3	Programming Example – Calculate Averages	To understand the concept	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=hfwHjST vxUU Web Link: https://www.javatpoint.co m/c-programming-langua	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min)	Discussion Forum on the topic in the group  Review on the topic  Share
			ge-tutorial	Summery (5min) Doubts clari-fication (10 min)	material on the topic
4	Strings: String Concepts, C String String Input / Output Functions	To understand the concept	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=AW3m7 kdWvI8 Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
5	Arrays of Strings, String Manipulation Functions String/ Data Conversion	To understand the concept Arrays of Strings, String Manipulation Functions String/ Data Conversion	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=SPuS9UJ F1lo Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

6	A	То	Text Book:	Discussion on	Discussion
	Programming	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Example –	the concept	Video Link:	(10 Min)	topic in the
	Morse Code	A	Web Link:	PPT	group
		Programming	https://www.javatpoint.co	presentation	
		Example –	m/c-programming-langua	(30 Min)	Review on
		Morse Code	ge-tutorial	Discussion or	the topic
				Poll activity	
				(5 min)	Share
				Summery	material on
				(5min)	the topic
				Doubts	_
				clari-fication	
				(10 min)	
7	The Type	То	Text Book:	Discussion on	Discussion
	Definition	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	(Type def),	the concept	Video	(10 Min)	topic in the
	Enumerated	he Type	Link:https://www.youtub	PPT	group
	Types	Definition	e.com/watch?v=KcFuHL	presentation	
		(Type def),	p85Jg	(30 Min)	Review on
		Enumerated	Web Link:	Discussion or	the topic
		Types	https://www.javatpoint.co	Poll activity	-
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	1
				clari-fication	
				(10 min)	
8	Structure,	То	Text Book:	Discussion on	Discussion
	Unions	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
		the concept	Video	(10 Min)	topic in the
		Structure,	Link:https://www.youtub	PPT	group
		Unions	e.com/watch?v=zmRxC7	presentation	
			gYw-g&list=PLBlnK6fE	(30 Min)	Review on
			yqRiteqwlMLXYtZ16xX	Discussion or	the topic
			DR7MO0	Poll activity	
			Web Link:	(5 min)	Share
			https://www.javatpoint.co	Summery	material on
			m/c-programming-langua	(5min)	the topic
			ge-tutorial	Doubts	
				clari-fication	
				(10 min)	

9	Programming Application	To understand the concept Programming Application	Text Book: Pdf (e-book) Upload Video Link: Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
UNIT	IV				
1	Pointers: Interdiction, Pointers to pointers	Introduction to Pointers	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=f2i0CnU OniA Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic
2	Compatibility, L value and R value	To understand the concept Compatibility , L value and R value	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=pt2JIqro 7yU Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

3	Pointer Applications: Arrays, and Pointers	To understand the concept Pointer Applications:	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=551-aZ7	Discussion on pre-requisites (10 Min) PPT presentation	Discussion Forum on the topic in the group
		Arrays, and Pointers	F24&list=PLBlnK6fEyq RjoG6aJ4FvFU1tlXbjLB iOP Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	(30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication	Review on the topic  Share material on the topic
4	Pointer Arithmetic and Arrays	To understand the concept Pointer Arithmetic	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=FmptkK	(10 min) Discussion on pre-requisites (10 Min) PPT presentation	Discussion Forum on the topic in the group
		and Arrays	2XZ0w Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	(30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Review on the topic Share material on the topic
5	Memory Allocation Function	To understand the concept Memory Allocation Function	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=v49bwq Q4ouM Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

	A	Т-	Tayt Dools	Diamasian a	Digavesies
6	Array of Pointers, Programming Application	To understand the concept Array of Pointers, Programming Application	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=9b4Bc0 XjygA Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic
7	Processor Commands: Processor Commands	To understand the concept Processor Commands: Processor Commands	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=509GC9 oKk-Q Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
UNIT	V				
1	Text Input / Output: Files, Streams	Introduction to File and Streams	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=6BhH2F PfS30 Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

2	Standard	То	Text Book:	Discussion on	Discussion
	Library Input /	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	• •		Video		
	Output Functions	the concept Standard		(10 Min) PPT	topic in the
	runctions		Link:https://www.youtub		group
		Library Input	e.com/watch?v=mmMU	presentation	
		/ Output	mithx_g	(30 Min)	Review on
		Functions	Web Link:	Discussion or	the topic
			https://www.javatpoint.co	Poll activity	
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	
3	Formatting	То	Text Book:	Discussion on	Discussion
	Input / Output	understand	Pdf (e-book) Upload	pre-requisites	Forum on the
	Functions	the concept	Video	(10 Min)	topic in the
		Formatting	Link:https://www.youtub	` PPT ´	group
		Input /	e.com/watch?v=igLV3Ct	presentation	8 - 4
		Output	gznw	(30 Min)	Review on
		Functions	Web Link:	Discussion or	the topic
		1 0,110 110	https://www.javatpoint.co	Poll activity	une topic
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
			ge tatoriar	(5min)	the topic
				Doubts	the topic
				clari-fication	
				(10 min)	
4	Character Innut	То	Text Book :	Discussion on	Discussion
4	Character Input / Output	understand	Pdf (e-book) Upload		Forum on the
	Functions		Video	pre-requisites (10 Min)	topic in the
	runctions	the concept		PPT	*
		Character	Link:https://www.youtub		group
		Input /	e.com/watch?v=75DBrJ4	presentation (20 Min)	Daviere en
		Output	VyII Wah Link	(30 Min)	Review on
		Functions	Web Link:	Discussion or	the topic
			https://www.javatpoint.co	Poll activity	Class
			m/c-programming-langua	(5 min)	Share
			ge-tutorial	Summery	material on
				(5min)	the topic
				Doubts	
				clari-fication	
				(10 min)	

5	Binary Input / Output: Text versus Binary Streams	To understand the concept Binary Input / Output: Text versus Binary Streams	Text Book: Pdf (e-book) Upload Video Link: Web Link: https://www.youtube.com /watch?v=ad0qEts5_bAh ttps://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts	Discussion Forum on the topic in the group Review on the topic Share material on the topic
				clari-fication (10 min)	
6	Standard Library, Functions for Files	To understand the concept standard Library, Functions for Files	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=3KqSlav bpTI Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
7	Converting File Type	To understand the concept Converting File Type	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=QIURkT 3AXgs Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

8	Functions: Designing, Structured Programs	To understand the concept Functions: Designing, Structured Programs	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=VF40lxb XR_0 Web Link:	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity	Discussion Forum on the topic in the group  Review on the topic
			https://www.javatpoint.co m/c-programming-langua ge-tutorial	(5 min) Summery (5min) Doubts clari-fication (10 min)	Share material on the topic
9	Function in C	Introduction to Function in C	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=TxWKG hF9KdM Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
10	User Defined Functions	To understand the concept User Defined Functions	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=IRcUKu Yvg5A Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group  Review on the topic  Share material on the topic

11	Inter-Function Communicatio n Standard Functions	To understand the concept Inter-Functio	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=fN0PuB	Discussion on pre-requisites (10 Min) PPT presentation	Discussion Forum on the topic in the group
		Communicati on Standard Functions	F-7SA Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	(30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Review on the topic Share material on the topic
12	Passing Array to Functions Passing Pointers to Functions	To understand the concept Passing Array to Functions Passing Pointers to Functions	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=vuZ64JO -xwo Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic
13	Recursion, Passing an Array to Function	To understand the conceptRecur sion, Passing an Array to Function	Text Book: Pdf (e-book) Upload Video Link:https://www.youtub e.com/watch?v=SUfe1U X1m4M Web Link: https://www.javatpoint.co m/c-programming-langua ge-tutorial	Discussion on pre-requisites (10 Min) PPT presentation (30 Min) Discussion or Poll activity (5 min) Summery (5min) Doubts clari-fication (10 min)	Discussion Forum on the topic in the group Review on the topic Share material on the topic