

Lesson Plan

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Department: Electronics & IT

Subject: Information Technology (I.T.)

Lesson Plan: 17 Weeks (September-December 2022)

WEEK	DATE	Class: B.Sc(Hons)-IT Sem: III Paper: BSIT-305 Subject: Operating System-II Days: Th-F-S (3 days)	Class: B.Sc(Hons)-IT Sem: III Paper: BSIT-306 Subject: Programming in C-I Days: Th-F-S (3 days)	Class: B.Sc(Hons)-IT Sem: V Paper: BSIT-501 Subject: Computer System Architecture -1 Days: Th-F-S (3 days)	Class: B.Sc(Hons)-IT Sem: V Paper: BSIT-503 Subject: Web-Site Design Implementing Basic Design Tools-I Days: M-T-W (3 days)
I	01-09-2022	Operating System - Functions & Structure	Introduction: History of C	Introduction of computer system architecture	-
	02-09-2022	Introduction to Operating System	Importance of C, C Character Set	Basic Computer Organisation and Design: Instruction Codes	-
	03-09-2022	Historical evolution of Operating System	Identifiers & Keywords	Computer registers	-
	04-09-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
II	05-09-2022	-	-	-	HTML : Introduction
	06-09-2022	-	-	-	Basic structure elements
	07-09-2022	-	-	-	Categories of body elements (study At least one example)
	08-09-2022	Different services of Operating System	Data types-I	Computer Instructions	-
	09-09-2022	Types of Operating Systems	Data types-II	Timing and Control	-
	10-09-2022	Doubt Session	Qualifiers, Constants	Instruction Cycle	-

	11-09-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
III	12-09-2022	-	-	-	To view pages in browsers and HTML source
	13-09-2022	-	-	-	Nesting rules
	14-09-2022	-	-	-	Beautification of documents using tags.
	15-09-2022	Operating System Architecture	Variables and their declarations	Memory reference instructions	-
	16-09-2022	Concept of System Calls	Symbolic Constants	Input-Output and Interrupt	-
	17-09-2022	Virtual Machine and Booting.	Comments in C	Design of Basic computer	-
	18-09-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
IV	19-09-2022	-	-	-	Changing color schemes and fonts(study at least one example)
	20-09-2022	-	-	-	Block level elements
	21-09-2022	-	-	-	<p>, <h1>, <h2>, <h3>, <h4>, <h5>, <h6>, , .
	22-09-2022	Discussion on Covered Topics	Discussion on Covered Topics	Doubt Session	-
	23-09-2022	HOLIDAY	HOLIDAY	HOLIDAY	HOLIDAY
	24-09-2022	Doubt Session on Unit-1	Expressions & statements	Design of Basic computer	-
	25-09-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY

V	26-09-2022	HOLIDAY	HOLIDAY	HOLIDAY	HOLIDAY
	27-09-2022	-	-	-	<dl>, <pre>, <hr />, <blockquote>, and <address>
	28-09-2022	-	-	-	Text level elements. , <i>, <u>, , , <sup>, <sub>, <big>, <small>, , <ins>, , <code>, <cite>, <dfn>, <kbd>, and <var>
	29-09-2022	Process Management: Process Concept	Structure of a C Program	Design of accumulator logic	-
	30-09-2022	Process States, Process Control Block, Process Scheduling	Console I/O (printf, scanf).	Discussion on Covered Topics	-
	01-10-2022	NON TEACHING	NON TEACHING	NON TEACHING	NON TEACHING
	02-10-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
	VI	03-10-2022	-	-	-
04-10-2022		-	-	-	Ins & Del elements , External Link attributes
05-10-2022		HOLIDAY	HOLIDAY	HOLIDAY	HOLIDAY
06-10-2022		Context Switching, Schedulers	Escape Sequences.	Register Transfer and Micro operations: Register Transfer Language (RTL)	-
07-10-2022		Operation of Processes	Doubt Session	Register transfer	-

	08-10-2022	Discussion on Covered Topics	Programs practice	Bus and Memory Transfers	
	09-10-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
VII	10-10-2022	-	-	-	HREF, Anchor,
	11-10-2022	-	-	-	Text, title
	12-10-2022	-	-	-	Discussion on Covered Topics
	13-10-2022	Scheduling: Basic concepts	Operators in C: Arithmetic, logical, relational & bitwise operators	Arithmetic Micro operations	-
	14-10-2022	Scheduling criteria	Assignment and Conditional Operators	Doubt session	-
	15-10-2022	Doubt Session	Increment and Decrement Operators, operator hierarchy & Associativity.	Logic Micro operations	-
	16-10-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
VIII	17-10-2022	-	-	-	name, target attributes
	18-10-2022	-	-	-	Internal Link using URLs
	19-10-2022	-	-	-	absolute & relative links , Default pages
	20-10-2022	Scheduling Algorithms: FCFS, SJF	Size of operator, Type conversion and cast operator	Shift Microoperations -I	-
	21-10-2022	Priority, RR, Multilevel Queue Scheduling	Library functions in C.	Shift Microoperations-II	-

	22-10-2022	Multilevel Feedback Queue Scheduling. Multiprocessor Scheduling and Real-Time Scheduling.	Doubt session	Arithmetic Logic Shift Unit	
	23-10-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
IX	24-10-2022	DIWALI BREAK			
	25-10-2022				
	26-10-2022				
	27-10-2022	Discussion on Covered Topics	Decision Making in C: Decision making with IF statement	Discussion on Covered Topics	-
	28-10-2022	Numerical solving on various algorithms	IF-ELSE statement, Nested IF statement,	Central Processing Unit: General registers Organization	-
	29-10-2022	Doubt session	Program practice	Stack Organization	-
	30-10-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
X	31-10-2022	-	-	-	Jump to Named Anchor with Internal Link
	01-11-2022	HOLIDAY	HOLIDAY	HOLIDAY	HOLIDAY
	02-11-2022	-	-	-	Verifying and maintaining tools
	03-11-2022	Deadlocks: Deadlocks, Graphical representation of a Deadlock	ELSE-IF ladder, Programming examples using if Structure.	Discussion on Covered Topics	-

	04-11-2022	Deadlock Prerequisites,	Discussion on Covered Topics	Instruction formats	-
	05-11-2022	Doubt session	Program Practice	Addressing Modes	-
	06-11-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
XI	07-11-2022	-	-	-	Lists : Ordered
	08-11-2022	HOLIDAY	HOLIDAY	HOLIDAY	HOLIDAY
	09-11-2022	-	-	-	Lists : Unordered
	10-11-2022	Methods for handling Deadlocks: Prevention,	Decision Making in C: switch statement	Doubt session	-
	11-11-2022	Deadlock Avoidance	goto statement. Programming examples using switch and goto Structures.	Program interrupt	-
	12-11-2022	Detection and Recovery.	Discussion on Covered Topics	Discussion on Covered Topics	-
XII	13-11-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
	14-11-2022	-	-	-	Lists : Definition & Nested
	15-11-2022	-	-	-	Understanding Table, Table model for HTML 4.0(elements).
	16-11-2022	-	-	-	Table attributes.
	17-11-2022	Discussion on Covered Topics	Looping in C: while, do-while & for loops	Reduced Instruction Set Computer (RISC)	-
	18-11-2022	Discussion on Covered Topics	break & continue statements	CISC characteristics	-

	19-11-2022	Doubt Session	Programming examples using loop Structures.	Discussion on Covered Topics	-
	20-11-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
XIII	21-11-2022	-	-	-	Table background
	22-11-2022	-	-	-	table width and height
	23-11-2022	-	-	-	Table Caption
	24-11-2022	Discussion on Covered Topics	Discussion on Covered Topics	Discussion on Covered Topics	
	25-11-2022	Interprocess Communication and Synchronization	Arrays: 1-D arrays	Microprogrammed Control: Control memory;	-
	26-11-2022	Cooperating Processes,	Arrays: 2-D arrays	Address sequencing	-
	27-11-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
XIV	28-11-2022	-	-	-	Nested Tables
	29-11-2022	-	-	-	Discussion on Covered Topics
	30-11-2022	-	-	-	Doubt Session
	01-12-2022	Interprocess Communication: Producer Consumer Problem	Creating and Processing Arrays	Doubt session	-
	02-12-2022	Discussion on Covered Topics	Applications of arrays in searching	Address sequencing	-
	03-12-2022	Doubt Session	Applications of arrays in sorting	Discussion on Covered Topics	-
	04-12-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY

XV	05-12-2022	-	-	-	Classify HTML document
	06-12-2022	-	-	-	various head section elements
	07-12-2022	-	-	-	specifying language information
	08-12-2022	Process Synchronization: Critical Section,	Discussion on Covered Topics	Microprogram sequencer	-
	09-12-2022	Hardware supported solutions	Arrays: Merging & matrices.	Discussion on Covered Topics	-
	10-12-2022	Software solutions.	Repeat Lecture	Design of control unit	-
	11-12-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
XVI	12-12-2022	-	-	-	Lang attribute
	13-12-2022	-	-	-	Discussion on Covered Topics
	14-12-2022	-	-	-	Image Maps
	15-12-2022	Discussion on Covered Topics	Character I/O functions: getchar(), getche(),	Discussion on Covered Topics	-
	16-12-2022	Discussion previous year papers	getch(), putchar().	Discussion on previous year papers	-
	17-12-2022	Discussion on Covered Topics	Discussion on Covered Topics	Doubt session	-
	18-12-2022	SUNDAY	SUNDAY	SUNDAY	SUNDAY
XVII	19-12-2022	-	-	-	Example of Head Tags
	20-12-2022	-	-	-	Discussion on Covered Topics
	21-12-2022	-	-	-	Doubt Session on all Units

22-12-2022	Doubt Session on all Units	Doubt Session on all Units	Doubt Session on all Units	-
23-12-2022	Doubt Session on all Units	Doubt Session on all Units	Doubt Session on all Units	-
24-12-2022	Doubt Session on all Units	Doubt Session on all Units	Doubt Session on all Units	-