

# Lesson Plan

**Session: 2022-23**

**Odd Semester**

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

**Department:** Electronics & IT

**Subject:** Information Technology (I.T.)

**Lesson Plan:** 17 Weeks (September-December 2022)

WEEK	DATE	Class: B.Sc(Hons)-IT Sem: I Paper: BSIT-106 Subject: Computer Fundamentals Days: T-W-S (3 days)	Class: B.Sc(Hons)- IT Sem: III Paper: BSIT-303 Subject: Telecommunicat ion & Networking-I Days: Th-F-S (3 days)	Class: B.Sc(Hons)-IT Sem: V Paper: BSIT-502 Subject: Programming in C++ -1 Days: Th-F-S (3 days)	Class: B.Sc(Hons)-IT Sem: V Paper: BSIT-504 Subject: Internet Concepts & Applications-I Days: M-T-W (3 days)
<b>I</b>	01-09-2022		Introduction to Telephone System	Concepts of OOPS	-
	02-09-2022		Data communication and its components	Structure of C++	-
	03-09-2022		Topology	C++ data types	-
	04-09-2022	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>
<b>II</b>	05-09-2022	-	-	-	Need of Information
	06-09-2022	Introduction to computer system: What is a Computer-	-	-	Internet construction concepts
	07-09-2022	Introduction to computer system: What is a Computer-	-	-	email Concepts

	08-09-2022		Transmission Mode	C++ data types	-
	09-09-2022		Multiplexing: FDM,TDM	Pointer, constant reference	-
	10-09-2022	Evaluation and Generation of Computers	Multiplexing: WDM	Operators( arithmetic, relational, logical and bitwise)	-
	11-09-2022	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>
III	12-09-2022	-	-	-	email tasks
	13-09-2022	Applications and Characteristics of computers	-	-	email attachments
	14-09-2022	Elements of Computer (Hardware)	-	-	mailing list
	15-09-2022		Comparison of all three multiplexing techniques	Operator Precedence	-
	16-09-2022		Structure of Telephone System	Control flow statements.	-
	17-09-2022	Elements of Computer (Software)	Local Loop, Transmission Impairments	Control flow statements.	-
	18-09-2022	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>
IV	19-09-2022	-	-	-	filtering emails
	20-09-2022	Common Input Devices	-	-	cotrolling email spam
	21-09-2022	Discussion on Covered Topics	-	-	doubt session
	22-09-2022		Modems	Discussion	-

	23-09-2022	<b>HOLIDAY</b>	<b>HOLIDAY</b>	<b>HOLIDAY</b>	<b>HOLIDAY</b>
	24-09-2022	Common Input Devices	Discussion on Covered Topics	Enumeration	-
	25-09-2022	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>	<b>SUNDAY</b>
V	26-09-2022	<b>HOLIDAY</b>	<b>HOLIDAY</b>	<b>HOLIDAY</b>	<b>HOLIDAY</b>
	27-09-2022	Common Output Devices	-	-	doubt session
	28-09-2022	Types of Computers	-	-	file transfer concepts
	29-09-2022		Switching and ISDN: Types of Switching	Arrays	-
	30-09-2022		Circuit Switching	Strings	-
	01-10-2022	<b>NON TEACHING</b>			
	02-10-2022	<b>SUNDAY</b>			
VI	03-10-2022	-	-	-	file transfer protocol (FTP) programmes
	04-10-2022	Block Diagram of PC Architecture	-	-	FTP programmes
	05-10-2022	<b>HOLIDAY</b>			
	06-10-2022		Space Division , time division	class test	-
	07-10-2022		Crossbar Switch	Structures	-
	08-10-2022	Concepts of Files and Directories	Doubt Session	Union	

	09-10-2022	<b>SUNDAY</b>			
<b>VII</b>	10-10-2022	-	-	-	TCP/IP and FAQs
	11-10-2022	Class test	-	-	Remote Login (Telnet)
	12-10-2022	Secondary storage devices: Sequential Access Devices	-	-	Telnet
	13-10-2022		Computer Networks: Introduction to Computer Network	Pointers	-
	14-10-2022		Data transmission mode	Functions	-
	15-10-2022	Direct Access Devices	Network types , LAN topologies with its merits and demerits	Functions	-
	16-10-2022	<b>SUNDAY</b>			
<b>VIII</b>	17-10-2022		-	-	Network News
	18-10-2022	Magnetic Disk, Floppy Disk, Winchester Disk, Mass Storage , Optical Disk	-	-	Doubt session
	19-10-2022	Magnetic Bubble Memory, Charged Coupled Device	-	-	Test
	20-10-2022		Network Models: Client Server network , peer to peer network	Doubt Session	-
	21-10-2022		OSI Model.	Scope and the free store allocation,	-

	22-10-2022	Cache Memory, Storage Hierarchy	TCP/IP model	Recursion	
	23-10-2022	<b>SUNDAY</b>			
IX	24-10-2022	<b>DIWALI BREAK</b>			
	25-10-2022				
	26-10-2022				
	27-10-2022	Discussion on Covered Topics	Comparison of both models , their layers and functionalities	Doubt Session	-
	28-10-2022	Numerical solving on various algorithms	Revision	Class test	-
	29-10-2022	Doubt session	Class test	Discussion on PYQ	-
	30-10-2022	<b>SUNDAY</b>			
X	31-10-2022	-	-	-	World Wide web concepts
	01-11-2022	<b>HOLIDAY</b>			
	02-11-2022	Introduction to Computer Software	-	-	Search engines
	03-11-2022		Frame Relay: Architecture , Layers	In line functions,	-
	04-11-2022		Congestion Control	Argument passing	-
	05-11-2022	Relationship between Hardware and Software	Quality of service	Argument passing	-

	06-11-2022	<b>SUNDAY</b>			
XI	07-11-2022	-	-	-	Web directories
	08-11-2022	<b>HOLIDAY</b>			
	09-11-2022	Types of software: system software	-	-	web resources
	10-11-2022		ATM: Design	Reference and array argument	-
	11-11-2022		Design Goals, Problems	Overloaded function names Overloaded function names	-
	12-11-2022	Application software	ATM Architecture	Doubt Session	-
XII	13-11-2022	<b>SUNDAY</b>			
	14-11-2022	-	-	-	Web application
	15-11-2022	Acquiring software	-	-	Comparing web directories and search engines
	16-11-2022	Software development steps	-	-	Revision
	17-11-2022		Switching	Template functions	
	18-11-2022		ATM layers	Pointer to function	
	19-11-2022	Firmware , Middleware	Narrowband ISDN	type –safe linkage	
	20-11-2022	<b>SUNDAY</b>			

XIII	21-11-2022	-	-	-	Types of internet connection
	22-11-2022	Doubt Session	-	-	Dial Up connection
	23-11-2022	Windows as an interface	-	-	ISDN
	24-11-2022		<b>Revision</b>	<b>Revision</b>	
	25-11-2022		ISDN Services, system Architecture	Doubt Session	-
	26-11-2022	Introduction to desktop	ISDN Interface	Discussion on Assignment 2 questions	-
	27-11-2022	<b>SUNDAY</b>			
XIV	28-11-2022	-	-	-	DSL
	29-11-2022	Introduction to accessories	-	-	Cable Tv internet connection
	30-11-2022	Internet: definition, basic services and use	-	-	satellite internet connection
	01-12-2022		Perspective on N-ISDN	Class definition, class objects	-
	02-12-2022		ISDN	member functions	-
	03-12-2022	Multimedia: components, applications	Doubt Session	implicit this pointer	-
	04-12-2022	<b>SUNDAY</b>			
XV	05-12-2022	-	-	-	wireless internet connection
	06-12-2022	Introduction to Ms-Word	-	-	comparing all types of connection

	07-12-2022	Creating, Editing a document	-	-	Revision
	08-12-2022		Discussion on Covered Topics	static class members	
	09-12-2022		<b>Practice of PYQ.</b>	class scope	
	10-12-2022	Modifying a document	Practice of PYQ	Constructors	-
	11-12-2022	<b>SUNDAY</b>			
<b>XVI</b>	12-12-2022	-	-	-	Class test
	13-12-2022	Formatting a document	-	-	Discussion on PYQ
	14-12-2022	Using the speller in Word	-	-	Discussion on PYQ
	15-12-2022		Sessional	Destructors	-
	16-12-2022		Discussion on Sessional	Discussion on previous year papers	-
	17-12-2022	Creating and using Macros		Doubt session	-
	18-12-2022	<b>SUNDAY</b>			
<b>XVII</b>	19-12-2022	-	-	Sessional	Sessional
	20-12-2022	Problems Discussed	-	-	
	21-12-2022	Sessional	-	-	
	22-12-2022				
	23-12-2022				

	24-12-2022				
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