

# Lesson plan of Computer Application Theory of 1<sup>ST</sup> Sem Winter-2021

**(From 01.11.2021 to 14.02.2022)**

SL. NO	SECTION	WEEK	THEORY CHAPTER/TOPIC	PERIOD (Total:60 periods)
1	SEC-A SEC-B	01.11.2021 To 06.11.2021	<b>1. COMPUTER ORGANISATION</b> Introduction to Computer Evolution of Computers Generation of Computers Classification of Computers <b>DOUBT CLEARING CLASSES</b>	03-A 04-B
2	SEC-A SEC-B	08.11.2021 To 13.11.2021	<b>1. COMPUTER ORGANISATION</b> Basic Organisation of Computer (Functional Block diagram) Input Devices, CPU & Output Devices. Computer Memory and Classification of Memory <b>DOUBT CLEARING CLASSES</b>	04-A 04-B
3	SEC-A SEC-B	15.11.2021 To 20.11.2021	<b>2. COMPUTER SOFTWARE</b> Software concept, System software, Application software Overview of Operating System Objectives and Functions of O.S , <b>DOUBT CLEARING CLASSES</b>	04-A 04-B
4	SEC-A SEC-B	22.11.2021 To 27.11.2021	<b>2. COMPUTER SOFTWARE</b> Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS Features of DOS, Windows and UNIX <b>DOUBT CLEARING CLASSES</b>	04-A 04-B

5	SEC-A SEC-B	29.11.2021 To 04.12.2021	<b>3. COMPUTER NETWORK AND INTERNET</b> Networking concept, Protocol, Connecting Media, Date Transmission mode Network Topologies, Types of Network Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC <b>DOUBT CLEARING CLASSES</b>	04-A 04-B
6	SEC-A SEC-B	06.12.2021 To 11.12.2021	<b>3. COMPUTER NETWORK AND INTERNET</b> Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping Different types of Internet connectivity and ISP <b>DOUBT CLEARING CLASSES</b>	04-A 04-B 01(EXTRA CLASS)
7	SEC-A SEC-B	13.12.2021 To 18.12.2021	<b>4. FILE MANAGEMENT AND DATA PROCESSING</b> Concept of File and Folder File Access and Storage methods. Sequential, Direct, ISAM <b>DOUBT CLEARING CLASSES</b>	04-A 04-B
8	SEC-A SEC-B	20.12.2021 To 24.12.2021	<b>5. PROBLEM SOLVING METHODOLOGY</b> Algorithm, Pseudo code and Flowchart Generation of Programming Languages Structured Programming Language Examples of Problem solving through Flowchart <b>DOUBT CLEARING CLASSES</b>	04-A 04-B 01(EXTRA CLASS)

9	SEC-A SEC-B	27.12.2021 To 01.01.2022	<b>6. OVERVIEW OF C PROGRAMMING LANGUAGE</b> Constants, Variables and Data types in C Managing Input and Output operations. Operators, Expressions, Type conversion & Typecasting. <b>DOUBT CLEARING CLASSES</b>	04-A 04-B  <b>01(EXTRA CLASS)</b>
10	SEC-A SEC-B	03.01.2022 To 08.01.2022	<b>6. OVERVIEW OF C PROGRAMMING LANGUAGE</b> Decision Control and Looping Statements (If, If- else, If-else-if, Switch, While, Dowhile, For, Break, Continue & Goto) Programming Assignments using the above features. <b>DOUBT CLEARING CLASSES</b>	04-A 04-B  <b>01(EXTRA CLASS)</b>
11	SEC-A SEC-B	10.01.2022 To 15.01.2022	<b>7. ADVANCED FEATURES OF C</b> Functions and Passing Parameters to the Function (Call by Value and Call by Reference) Scope of Variables and Storage Classes Recursion Function and Types of Recursion <b>DOUBT CLEARING CLASSES</b>	04-A 04-B  <b>01(EXTRA CLASS)</b>
12	SEC-A SEC-B	17.01.2022 To 22.01.2022	<b>7. ADVANCED FEATURES OF C</b> One Dimensional Array and Multidimensional Array String Operations and Pointers Pointer Expression and Pointer Arithmetic. <b>DOUBT CLEARING CLASSES</b>	04-A 04-B  <b>01(EXTRA CLASS)</b>

13	SEC-A SEC-B	24.01.2022 To 29.01.2022	<b>2. COMPUTER SOFTWARE</b> Programming Languages Compiler, interpreter Computer Virus Different Types of computer virus Detection and prevention of Virus Application of computers in different Domain <b>DOUBT CLEARING CLASSES</b>	<b>03-A</b> <b>04-B</b> <b>01(EXTRA CLASS)</b>
14	SEC-A SEC-B	31.01.2022 To 04.02.2022	<b>ADVANCED FEATURES OF C</b> Programming Assignments using the above features. Structure and Union (Only concepts, No Programming) <b>DOUBT CLEARING CLASSES</b>	<b>04-A</b> <b>04-B</b> <b>01(EXTRA CLASS)</b>
15	SEC-A SEC-B	07.02.2022 To 14.02.2022	<b>4. FILE MANAGEMENT AND DATA PROCESSING</b> Data Capture, Data storage Data Processing and Retrieval <b>.DOUBT CLEARING CLASSES</b>	<b>04-A</b> <b>04-B</b> <b>01(EXTRA CLASS)</b>

**N.B - C & D :: CIVIL AND MECHANICAL ENGINEERING**

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