

COMPUTER APPLICATION(Th.1b)

Date of Commencement of classes: 14.03.2022

Date of Closing of classes: 11.06.2022

LIST OF WEEK/ MONTH WISE AVAILABLE DAYS/ PERIODS

Sl. No.	Month	Week-wise no. of academic days available					Total no. of academic days
		Week- 1	Week- 2	Week- 3	Week- 4	Week- 5	
1	March	--	--	4	6	3	13
2	April	2	5	4	4	6	21
3	May	5	4	4	5	2	20
4	June	4-1	6	--	--	--	09
Total		10	15	12	15	11	63

NO. OF AVAILABLE CLASSES PER WEEK/ MONTH

Sl. No.	Month	Week-wise no. of academic periods available					Total no. of academic periods
		Week- 1	Week- 2	Week- 3	Week- 4	Week- 5	
1	March	--	--	4	6	3	13
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CHAPTER-WISE DISTRIBUTION OF PERIODS

Sl. No.	Name of the Chapter	Periods as per Syllabus	Required period	Expected Marks
01	Computer Organization	05	07	15
02	Computer Software	07	09	15
03	Computer Network and Internet	08	06	15
04	File Management and Data Processing	05	04	10
05	Problem Solving Methodology	05	05	10
06	Overview of C Programming language	15	12	20
07	Advanced features of C	15	15	15
TOTAL		60	58	100

Sign of Lect.

Sign of HOD.

Sign of AIC

Sign of Vice Principal

LESSON PLAN

Name of the Month	Week No.	Class day	Chapter No.	Theory Topics
M A R C H	3 rd	1 st	01	(COMPUTER ORGANISATION) Introduction to Computer
		2 nd		Evolution of Computers
		3 rd		Generation of Computers
		4 th		Classification of Computers
	4 th	1 st		Basic Organization of Computer (Functional Block diagram)
		2 nd		Input Devices, CPU & Output Devices.
		3 rd		Computer Memory and Classification of Memory
		4 th		(COMPUTER SOFTWARE) Software concept
		5 th		System software, Application software
		6 th		Overview of Operating System
	5 th	1 st		Objectives and Functions of O.S
		2 nd		Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS
		3 rd		Features of DOS, Windows and UNIX
	A P R I L	1 st		1 st
2 nd			Computer Virus	
2 nd		1 st	Different Types of computer virus	
		2 nd	Detection and prevention of Virus	
		3 rd	Application of computers in different Domain	
		4 th	(COMPUTER NETWORK AND INTERNET) Networking concept	
		5 th	Protocol, Connecting Media, Data Transmission mode	
3 rd		1 st	Network Topologies, Types of Network	
		2 nd	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC	
		3 rd	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping	
		4 th		

		2 nd		Different types of Internet connectivity and ISP
		3 rd	04	(FILE MANAGEMENT AND DATA PROCESSING) Concept of File and Folder
		4 th		File Access and Storage methods. Sequential, Direct, ISAM
	4 th	1 st		Data Capture, Data storage
		2 nd		Data Processing and Retrieval
		3 rd	05	(PROBLEM SOLVING METHODOLOGY) Algorithm
		4 th		Pseudo code and Flowchart
	1 st	Generation of Programming Languages		
	2 nd	Structured Programming Language		
	5 th	3 rd		Examples of Problem solving through Flowchart
		4 th	(OVERVIEW OF C PROGRAMMING ANGUAGE)	Constants and Variables
		5 th		Data types in C
		6 th		Managing Input and Output operations.
	1 st	06		Operators, Expressions, Type conversion & Typecasting
	2 nd		Decision Control and Looping Statements	
	3 rd		Programming Assignment using the below features	
	4 th		Decision Control and Looping Statements (If, If-else,)	
	5 th		Decision Control and Looping Statements (Switch)	
2 nd	1 st		Decision Control and Looping Statements (While)	
	2 nd		Decision Control and Looping Statements (Do-while, For, Break,)	
	3 rd		Decision Control and Looping Statements (Continue & Go to)	
	4 th			
3 rd	1 st	(ADVANCED FEATURES OF C)	Introduction	
	2 nd		Functions and Passing Parameters to the Function (Call by Value)	
	3 rd		Functions and Passing Parameters to the Function (Call by Reference)	
M A Y	1 st	1 st		
		2 nd		
		3 rd		
		4 th		
		5 th		

	4 th	4 th		Scope of Variables and Storage Classes		
		1 st		Recursion Function and Types of Recursion		
		2 nd		One Dimensional Array and		
		3 rd		Multidimensional Array		
		4 th		String Operations and Pointers		
		5 th		Pointer Expression and		
		1 st		Pointer Arithmetic		
		2 nd		Programming Assignments using the above features.		
		J U N E	1 st	1 st		Cont..
				2 nd		Cont..
3 rd	7.8			Structure (Only concepts, No Programming) and Union (Only concepts, No Programming)		
1 st				Revision		
2 nd	2 nd			Revision		
	3 rd			Revision		
	4 th			Revision		
	5 th			Previous year question answer discussion		
	6 th			Previous year question answer discussion		

Coverage of Chapters up to the internal assessment (2nd week of May 2022) : **1, 2 3&4**

Learning Resources:

Sl. No.	Name of the Book	Author Name	Publisher
01	Computer Fundamentals and Programming in C	by Reema Thareja	Oxford University
02	Programming in ANSI C	by A.N Kamthane	Pearson Education
03	Let us C	by Y. Kanetkar	BPB
04	Computer Fundamentals	by E. Balaguruswamy	TMH

