

ACADEMIC SESSION : 2023-24 WINTER

Discipline : Civil & Mechanical	Semester : 1 st	Name of the Teaching Faculty : Deepak Kumar Barda
Subject : Computer Application	No. of days / week class allotted	Semester From date: 1 st : 16/08/2023 to 11/12/2023 Nos. of Weeks per semester : 15
Week	Class Day	Theory Topics
UNIT-1(05 PERIOD) 1 ST	1 st	Introduction to Computer, Evolution of Computer
	2 nd	Generation of Computer
	3 rd	Classification of Computer
	4 th	Basic organization of Computer, Input devices
UNIT-2(07 PERIOD) 2 ND	1 st	Computer Memory and Classification of memory
	2 nd	Software concept-System Software, Application Software
	3 rd	Overview of Operating System Objective and function of OS
	4 th	Types of Operating System
3 RD	1 st	Feature of DOS, Windows and Linux
	2 nd	Programming Languages
	3 rd	Compiler and Interpreter
	4 th	Computer Virus
UNIT-3(08 PERIOD) 4 TH	1 st	Networking Concept, Protocol
	2 nd	Connecting Media
	3 rd	Data Transmission mode
	4 th	Network Topology
5 TH	1 st	Type of Network
	2 nd	Networking Devices
	3 rd	Internet Services
	4 th	Different Type of Internet Connecting
UNIT-4(05 PERIOD) 6 TH	1 st	Concept of File and Folder
	2 nd	File access and storage methods
	3 rd	Data Capture
	4 th	Data Storage
UNIT-5(05 PERIOD) 7 TH	1 st	Data Processing and Retrieval
	2 nd	Algorithm,
	3 rd	Pseudo code and Flowchart
	4 th	Generation of Programming Languages

UNIT-6(15 PERIOD) 8 TH	1 st	Structured Programming Language
	2 nd	Examples of Problem solving through Flowchart
	3 rd	Introduction to C
	4 th	Types of C
9 TH	1 st	C Program structure
	2 nd	Preprocessor
	3 rd	Character set
	4 th	C-Tokens
10 TH	1 st	Keywords and Identifiers
	2 nd	Constants
	3 rd	Variable
	4 th	Data Type in C
11 TH	1 st	Managing input output operators
	2 nd	operators
	3 rd	Expressions
	4 th	Type conversion in expression
UNIT-7(15 PERIOD) 12 th	1 st	Decision control and Looping Statements
	2 nd	What is a Function, Declaration and Defining a Function
	3 rd	Function Prototype, Accessing a Function
	4 th	Passing argument to Function
13 th	1 st	Default arguments
	2 nd	Constant argument(a)Call by Value (b)Call by Reference
	3 rd	Function Signature
	4 th	Calling Function with array, using of array in function
14 th	1 st	Passing one dimensional array to Function Passing two dimensional array to Function
	2 nd	Feature of Library Function, mathematical function
	3 rd	Scope of variable and Storage class
	4 th	Recursion Function
15 th	1 st	One Dimensional array and multidimensional array
	2 nd	String operations
	3 rd	Pointer, Pointer expression and pointer arithmetic
	4 th	Structure and Union

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29.07.2023
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