

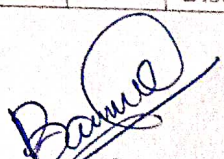
LESSON PLAN

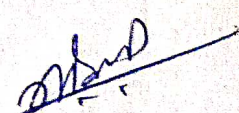
COURSE: Computer Application COURSE CODE: Th1(b) SEMESTER: 1 st	NAME OF THE FACULTY: Mrs. Banani Mohanty. Lecturer in Computer Science,
PERIODS/WEEK: 04 TOTAL NO. OF PERIODS: 60	

week	Class	Topics	Course Outcome
1	1	Introduction to Computer Evolution of Computers	CO1
	2	Generation of Computers	CO1
	3	Classification of Computers	CO1
	4	Basic Organization of Computer (Functional Block diagram) Input Devices, CPU & Output Devices.	CO1
2	5	Computer Memory and Classification of Memory	CO1
	6	REVISION(CHAPTER-1)	CO1
	7	Software concept, System software, Application software Overview of Operating System	CO2
	8	Objectives and Functions of OS	CO2
3	9	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS	CO2
	10	Features of DOS, Windows and UNIX	CO2
	11	Programming Languages Compiler, interpreter	CO2
	12	Computer Virus, Different Types of computer virus Detection and prevention of Virus	CO2
4	13	Application of computers in different Domain	CO1 & CO2
	14	Networking concept, Protocol, Data Transmission mode	CO3
	15	Connecting Media	CO3
	16	Network Topologies: concept, Mesh & star topology: advantages, disadvantages	CO3
5	17	Ring, bus and tree topology: advantages, disadvantages	CO3
	18	Types of Network : LAN, MAN, WAN, PAN	CO3
	19	Networking Devices like Hub, Repeater, Switch, Bridge	CO3
	20	Other Networking Devices like Router, Gateway & NIC. Internet Services like E-Mail, WWW, FTP	CO3
6	21	Internet Services like Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping Different types of Internet connectivity and IS	CO3
	22	FILE MANAGEMENT AND DATA PROCESSING Concept of File and Folder, File Storage.	CO2
	23	File Access methods. Sequential, Direct, ISAM	CO2
	24	Data Capture, Data storage,	CO2
7	25	Data Processing and Retrieval	CO2
	26	REVISION(CHAPTERS-3&4)	CO2, CO3
	27	PROBLEM SOLVING METHODOLOGY: Algorithm, Pseudo code and Flowchart	CO4
	28	Examples of Problem solving through Algorithm, Flowchart	CO4
8	29	Examples of Problem solving through Algorithm & Flowchart	CO4

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	30	Examples of Problem solving through Algorithm & Flowchart	CO4
	31	Generation of Programming Languages, Structured Programming Language	CO4
	32	REVISION(CHAPTER-5)	CO4
9	33	OVERVIEW OF C PROGRAMMING LANGUAGE Character set, Keywords in C, first C program, header file	CO5
	34	Constants, Variables, classification of Data types in C	CO5
	35	Basic Data types: int, float, char	CO5
	36	Managing Input and Output operations.	CO5
10	37	Operators, Expressions, types of operators: arithmetic, assignment with examples	CO5
	38	logical, relational, conditional with examples,	CO5
	39	increment & decrement operator	CO5
	40	bitwise operator, Type conversion & Typecasting	CO5
11	41	Decision Control Statements (If, If-else)	CO5
	42	Nested if else and else if ladder statement with programs	CO5
	43	Programming Assignments using the above features.	CO5
	44	Switch statements with programs	CO5
12	45	Looping Statements (While) with Programming examples	CO5
	46	Do while and for statement with Programming examples	CO5
	47	Break, Continue & goto statements Programming Assignments using the above features.	CO5
	48	REVISION (CHAPTER-6)	CO5
13	49	One Dimensional Array concept: declaration, initialization, memory representation diagram	CO5
	50	Programs using 1d Array, Multidimensional Array concept ,declaration, initialization	CO5
	51	String Operations, string handling functions	CO5
	52	Pointers: Pointer Expression and Pointer Arithmetic Programming Assignments using the above features.	CO5
14	53	Functions: definition, parts of function, syntax with programming examples	CO5
	54	Programming Assignments using function.	CO5
	55	Functions and Passing Parameters to the Function (Call by Value and Call by Reference)	CO5
	56	Scope of Variables and features. Storage Classes	CO5
15	57	Structure and Union (Only concepts)	CO5
	58	Programming Assignments	CO5
	59	Programming Assignments	CO5
	60	Discussion of Previous year Questions and Answers	CO5


Signature of the faculty


Signature of the HoD