

BALASORE SCHOOL OF ENGINEERING, BALASORE

LESSON PLAN/SEMESTER :- 2nd

SUBJECT : Computer Application

NAME OF THE FACULTY:- A. ROUT/P.K GIRI

SL. No.	Month /No .of academic days available for the subject	DATE	TOPICS TO BE COVERED	NO. OF PERIODS AS PER SYLLABUS	NO. OF PERIODS AVAILABLE AS PER PLAN
	MARCH-2023(06)	21/03	UNIT-01(COMPUTER ORGANITATION) COMPUTER ORGANISATION - Introduction to Computer, Evolution of Computers	06	06
		23/03	Generation of Computers		
		24/03	Classification of Computers		
		25/3	Basic Organization of Computer (Functional Block diagram)		
		27/03	Input Devices, CPU & Output Devices.		
		28/03	Computer Memory and Classification of Memory cont..		

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	APRIL-2023(15)	03/04	UNIT-02(COMPUTER SOFTWARE) COMPUTER SOFTWARE-Software concept, System software Application software	07	07
		04/04	Overview of Operating System Objectives		
		06/04	Functions of O.S Types of Operating System Cont.. Batch Processing, Multiprogramming, Time Sharing OS		
		10/04	Features of DOS, Windows and UNIX		
		11/04	Programming Languages Compiler, Interpreter		

		Different Types of computer virus		
	17/04	Detection and prevention of Virus Application of computers in different Domain		
	18/04	<u>UNIT-03(COMPUTER NETWORK AND INTERNET)</u> COMPUTER NETWORK AND INTERNET Networking concept, Protocol	<u>08</u>	<u>08</u>
	20/04	Connecting Media, Data Transmission mode		
	21/04	Network Topologies Types of Network Networking Devices like Hub, Repeater		
	24/04	Switch, Bridge, Router, Gateway & NIC		
	25/04	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing		
	27/04	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing		
	28/04	Electronic, Newspaper & Online Shopping Different types of Internet connectivity and ISP		
	29/04	Electronic, Newspaper & Online Shopping Different types of Internet connectivity and ISP		

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	MAY-2023(17)	01/05	<u>UNIT-04(FILE MANAGEMENT AND DATA PROCESSING)</u> FILE MANAGEMENT AND DATA PROCESSING- Concept of File and Folder, File Access and Storage methods.	<u>05</u>	<u>04</u>
		02/05	FILE MANAGEMENT AND DATA PROCESSING- Concept of File and Folder, File Access and Storage methods.		
		04/05	Sequential, Direct, ISAM		

		Data Processing and Retrieval	
06/05	UNIT-05(PROBLEM SOLVING METHODOLOGY) PROBLEM SOLVING METHODOLOGY Algorithm	<u>05</u>	<u>04</u>
08/05	Pseudo code and Flowchart(CONTINUE...)		
09/05	Flowchart Generation of Programming Languages		
11/05	Structured Programming Language Examples of Problem solving through Flowchart		
12/05	UNIT-06(Overview of C Programming language) OVERVIEW OF C PROGRAMMING LANGUAGE Constants, Variables and Data types in C	<u>15</u>	<u>09</u>
13/05	Managing Input and Output operations.		
22/05	Managing Input and Output operations. Operators, Expressions		
23/05	Operators, Expressions, Type conversion & Typecasting		
	Operators, Expressions, Type conversion & Typecasting		
25/05	Decision Control -If, If-else, If- else-if		
26/05	Decision Control -If, If-else, If- else-if		
27/05	Switch, Break, Continue &Goto While, Do-while, For		
29/05	Switch, Break, Continue &Goto While, Do-while, For		
30/05	REVISION		

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	JUNE-2023(09)	01/06	UNIT-07(Advanced features of C) ADVANCED FEATURES OF C Functions and Passing Parameters to the Function (Call by Value and Call by Reference)CONT.....	15	09
		02/06	Functions and Passing Parameters to the Function (Call by Value and Call by Reference)		
		03/06	Recursion Function and Types of Recursion		
		05/06	Scope of Variables and Storage Classes		
		06/06	Storage Classes ,One Dimensional Array		
		08/06	One Dimensional Array ,Multidimensional Array		
		09/06	String Operations		
		10/06	String Operations , Pointers		
		12/06	Pointer Expression Pointer Arithmetic Programming Assignments using the above features.		
		13/06	Structure and Union		
TOTAL=				60	47

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20/03/23

A. Roub

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20/3/23