P.N. DAS COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

B.Sc. Computer Science (G), 1st Semester(Interdisciplinary)

Computer Fundamentals and programming with C(CMSCOR101T/1P)

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Overview of C	5	--	
2.	Operators, Expressions and Preprocessor	8	10	T.R.C
3.	Decision and Loop Control Structure	7	10	
4.	Functions and Arrays	7	10	
5.	Pointers	6	10	
6.	User defined Datatypes and Memory Allocation	6	10	
7.	File Access	6	10	
	Total Number of Classes	**45**	**60**	

B.Sc. Computer Science (G), 2nd Semester

(Interdisciplinary) Data Structures using C++ CMSCOR202T/2P)

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Introduction	5	10	
2.	Linked Lists	7	10	T.R.C
3.	Stacks and Queues	9	10	
4.	Recursion	5	10	
5.	Binary Trees	10	10	
6.	Searching, Sorting and Hashing	9	10	
	Total Number of Classes	**45**	**60**	

B.Sc. Computer Science (G), 5th Semester

Paper-V:- Programming in JAVA

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Introduction to JAVA	02		
2.	Object Oriented Programming Concept	12		
3.	JAVA Programming Fundamental	12		
4.	Classes and Objects	12		
5.	Arrays and Strings	08		T.R.C
6.	Abstract Class, Interface and Packages	10		
7.	Exception Handling	06		
8.	File Handling	06		
9.	Applet Programming	07		
	Total Number of Classes	**75**	**00**	

B.Sc. Computer Science (G), 6th Semester

Paper-VI:- Software Engineering

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Software Process	20	--
2.	Software requirements	08	--
3.	Design Concepts and Principles	10	--
4.	Software Configuration Management	10	--
5.	Software Project Management	08	--
6.	Testing	12	--
7.	Trends in Software Engineering	07	--
	Total Number of Classes	**75**	**00**
	Name Of The Teacher: T.R.C		