

Lesson Plan

Name of the Assistant/ Associate Professor... SAHESH DEVI

Class and Section: B.A 2nd Year Sem IVth

Subject: MATHEMATICS (Programming in C and numerical method) 2018

Week	Date	Topics
1	1-Jan-18	Winter Vacation. 2018
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	
2	8-Jan-18	Computer: → Introduction, Programming of a computer
	9-Jan-18	Some Computer Terminologies, Algorithm.
	10-Jan-18	Flowchart: - Advantage is flowchart, limitation, caution.
	11-Jan-18	Introduction to C: → Introduction, Importance of C, getting started with 'C'.
	12-Jan-18	C-Tokens, keywords, Constants.
	13-Jan-18	Identifiers, Variable
	14-Jan-18	Sunday
	15-Jan-18	Rule for naming a variable.
3	16-Jan-18	Data types: → Integers.
	17-Jan-18	character, Floating point type.
	18-Jan-18	Double type, numbers, Void type.
	19-Jan-18	Qualifiers, variable declaration.
	20-Jan-18	Assignment statement.
	21-Jan-18	Sunday
	22-Jan-18	Vasant Panchami
4	23-Jan-18	The typedef declaration.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Enum declaration, The scanf, function
	26-Jan-18	Republic Day
	27-Jan-18	The printf function, more about printf function
	28-Jan-18	Sunday
	29-Jan-18	The new line character, The uses of comments, The main function.
5	30-Jan-18	A typical C Program, ex
	31-Jan-18	EXECUTION of a C Program.

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Subject: Mathematics

Week	Date	Topics
	1-Feb-18	Operation and expression:→ Introduction, Arithmetic operation.
	2-Feb-18	Relation operators, Logical operators.
	3-Feb-18	Assignment operators, Increment and decrement operators.
	4-Feb-18	Sunday
6	5-Feb-18	Conditional operator, Bitwise operators.
	6-Feb-18	special operators, Operators precedence
	7-Feb-18	Type Conversion and Cast operator
	8-Feb-18	Library Function in C, Some typical Examples
	9-Feb-18	Decision Control structure:→ Introduction, structured Language.
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
7	12-Feb-18	Control structures. The if statement.
	13-Feb-18	Maha Shivratri
	14-Feb-18	The if else statement
	15-Feb-18	Nested if - else statements, The else-if - ladders
	16-Feb-18	The switch statement, The goto statement.
	17-Feb-18	Some typical examples, ^{loop:→} Introduction.
	18-Feb-18	Sunday
8	19-Feb-18	Types of loops, The while statement
	20-Feb-18	The do-while statement, The for loop.
	21-Feb-18	Nested control structures. The break statement.
	22-Feb-18	The continue statement.
	23-Feb-18	Some typical examples.
	24-Feb-18	Function:→ Introduction, Advantages of function. An overview.
	25-Feb-18	Sunday
9	26-Feb-18	function. Definition., The return statement.
	27-Feb-18	Accessing A function, Function declaration.
	28-Feb-18	Local and global variables, Recursion.

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Subject: mathematics

Week	Date	Topics
	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	The C Preprocessor:→ Introduction, file inclusion, The # define Directive
	4-Mar-18	Sunday
10	5-Mar-18	Macros, macros with Arguments, Conditional compilation.
	6-Mar-18	Others Directives. <u>Arrays:→</u> Introduction, Arrays.
	7-Mar-18	Declaration of one dimensional arrays, Initialization of Arrays
	8-Mar-18	Two dimensional Arrays. multi dim, Passing Arrays to functions
	9-Mar-18	<u>Putting of strings:→</u> Introduction, An overview, Reading strings
	10-Mar-18	Writing strings to the screen, Concatenation of strings.
	11-Mar-18	Sunday
11	12-Mar-18	Copying strings, Comparison of strings, Extraction of strings.
	13-Mar-18	Finding strings length, some typical examples, <u>Structure and union:→</u> Introduction.
	14-Mar-18	Defining A structure, Declaring st. variable, The dot operator
	15-Mar-18	Structure initialization, Copying and Comparing st. variable.
	16-Mar-18	Structure of Arrays. Arrays of structures
	17-Mar-18	Structure within structures, structure and function.
	18-Mar-18	Sunday
12	19-Mar-18	<u>Pointers:→</u> Unions, some typical examples, Introduction
	20-Mar-18	The Concept, The Address operator, Declaring pointers.
	21-Mar-18	The indirection operators, Pointers of pointers.
	22-Mar-18	Pointers Arithmetic. Pointers and Arrays.
	23-Mar-18	Pointers and character Arrays, Arrays of pointers.
	24-Mar-18	Pointers of functions Arguments, Function Returning pointers.
	25-Mar-18	Sunday/ Ram Navami
13	26-Mar-18	Pointers to functions, Pointers and structure, some typical examples.
	27-Mar-18	Introduction, The file type.
	28-Mar-18	opening and closing A file. The getc and putc function.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	The getw putw function, The printf function, Random Access to files.
	31-Mar-18	Unformatted Data files, Error Handling During file operators.

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Subject: Programming in C and Numerical method.

Week	Date	Topics
14		Sunday
	1-Apr-18	
	2-Apr-18	<u>File in C</u> : → Introduction, Continuation or permanence of sign.
	3-Apr-18	Variation or change of sign.
	4-Apr-18	Descartes's rule of sign.
	5-Apr-18	Location of Roots, Solution of Algebraic and equations.
	6-Apr-18	Bolzano or Bisection method.
	7-Apr-18	Method of Regulation Falsi or False position.
15	8-Apr-18	Sunday
	9-Apr-18	<u>Solution of Algebraic and transcendental Equations</u> : → Order of Convergence of An iterative process.
	10-Apr-18	order of convergence of Regula falsi method.
	11-Apr-18	Secant method, Newton-Raphson method.
	12-Apr-18	Geometrical Derivation of Newton-Raphson method.
	13-Apr-18	Order of Convergence of Newton-Raphson method.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
16	16-Apr-18	<u>Simultaneous Linear Algebraic Equation</u> : → Introduction, different methods of obtaining the solutions.
	17-Apr-18	Cramer Gauss elimination method, Jordan method.
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Triangulization method or LU decomposition method, Crout method
	20-Apr-18	cholesky method or squareroot method Jacobi, Relaxation method
	21-Apr-18	Practicals.
	22-Apr-18	Sunday
	17	23-Apr-18
24-Apr-18		Practicals.
25-Apr-18		unit - test
26-Apr-18		unit - test
27-Apr-18		
28-Apr-18		