

## LESSON PLAN

Name of the Assistant Professor : KIRANPAL SINGH VIRK

Class and Section: B.SC. Computer Science – II Semester

Subject: PAPER 3 : Programming in C (PRACTICAL)

GROUP 1: (Monday, Tuesday)

GROUP 2: (Wednesday, Thursday)

Week	Date	Topics
1	1-Jan-18	GROUP I : Structure of a C Program, Overview of C Compiler for Desktop
	2-Jan-18	GROUP I : Data types, Constants and Variables, Assignment statement,
	3-Jan-18	GROUP 2 : Structure of a C Program, Overview of C Compiler for Desktop
	4-Jan-18	GROUP 2 : Data types, Constants and Variables, Assignment statement,
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	<b>SUNDAY</b>
2	8-Jan-18	GROUP I : Unformatted & formatted I/O function
	9-Jan-18	GROUP I : Overview of C Compiler for Mobile (Andriod)
	10-Jan-18	GROUP 2 : Unformatted & formatted I/O function
	11-Jan-18	GROUP 2 : Overview of C Compiler for Mobile (Andriod)
	12-Jan-18	
	13-Jan-18	
	14-Jan-18	<b>SUNDAY</b>
3	15-Jan-18	GROUP I : type casting and conversion
	16-Jan-18	GROUP I : WAP to perform basic arithmetic operations i.e. addition, subtraction, multiplication and division of two integer numbers
	17-Jan-18	GROUP 2 : type casting and conversion
	18-Jan-18	GROUP 2 : WAP to perform basic arithmetic operations i.e. addition, subtraction, multiplication and division of two integer numbers
	19-Jan-18	
	20-Jan-18	
	21-Jan-18	<b>SUNDAY</b>
4	22-Jan-18	<b>VASANT PANCHAMI</b>
	23-Jan-18	GROUP I : WAP to check whether a number entered is odd or even using (1) modulus operator (2) bitwise operator (3) without using bitwise or modulus operator (4) using modulus with conditional operator
	24-Jan-18	<b>SIR CHHOTU RAM JAYANTI</b>
	25-Jan-18	GROUP 2 : WAP to check whether a number entered is odd or even (1) using modulus operator (2) using bitwise operator (3) without using bitwise or modulus operator (4) using modulus with conditional operator
	26-Jan-18	<b>REPUBLIC DAY</b>
	27-Jan-18	
	28-Jan-18	<b>SUNDAY</b>
5	29-Jan-18	GROUP I : WAP to check whether the input character is a vowel or not. Both upper and lower case are to be checked using: (1) if-else (2) switch-case
	30-Jan-18	GROUP I : WAP to add digits of a number. E.g. number enter is 546. Then the output of the program should be 546 →5+4+6→15
	31-Jan-18	GROUP 2 : WAP to check whether the input character is a vowel or not. Both upper and lower case are to be checked using: (1) if-else (2) switch-case

WEEK	DATE	TOPICS
1	1-Feb-18	GROUP 2 : WAP to add digits of a number. E.g. number enter is 546. Then the output of the program should be 546 →5+4+6→15
	2-Feb-18	
	3-Feb-18	
	4-Feb-18	<b>SUNDAY</b>
2	5-Feb-18	GROUP 1 : WAP to calculate factorial of a given number
	6-Feb-18	GROUP 1 : WAP to calculate LCM (least common multiple) & HCF (highest common factor) of two integers
	7-Feb-18	GROUP 2 : WAP to calculate factorial of a given number
	8-Feb-18	GROUP 2 : WAP to calculate LCM (least common multiple) & HCF (highest common factor) of two integers
	9-Feb-18	
	10-Feb-18	<b>MAHARSHI DAYANAND SARASWATI JAYANTI</b>
	11-Feb-18	<b>SUNDAY</b>
3	12-Feb-18	GROUP 1 : WAP to generate tables from 2 to 20 with first 10 terms
	13-Feb-18	<b>MAHA SHIVRATRI</b>
	14-Feb-18	GROUP 2 : WAP to generate tables from 2 to 20 with first 10 terms
	15-Feb-18	GROUP 2 : WAP which Prints the following pattern up to 10 lines 0 111 22222 3333333
	16-Feb-18	
	17-Feb-18	
	18-Feb-18	<b>SUNDAY</b>
4	19-Feb-18	GROUP 1 : WAP which Prints the following pattern up to 10 lines 0 111 22222 3333333
	20-Feb-18	GROUP 1 : WAP which takes 10 integers as input and prints the largest one.
	21-Feb-18	GROUP 2: WAP which takes 10 integers as input and prints the largest one.
	22-Feb-18	GROUP 2 : WAP to convert decimal number to binary
	23-Feb-18	
	24-Feb-18	
	25-Feb-18	<b>SUNDAY</b>
5	26-Feb-18	GROUP 1 : WAP to convert decimal number to binary
	27-Feb-18	GROUP 1 : WAP to reverse a number
	28-Feb-18	<b>WINTER BREAK FROM 28.02.2017 TO 04.03.2017</b>

WEEK	DATE	TOPICS
1	1-Mar-18	<b>GURU RAVIDAS BIRTHDAY</b>
	2-Mar-18	<b>HOLI</b>
	3-Mar-18	<b>WINTER VACATION</b>
	4-Mar-18	<b>SUNDAY</b>
2	5-Mar-18	GROUP 1 : WAP to check whether a number is a palindrome or not
	6-Mar-18	GROUP 1 : WAP which takes a string as input and counts total number of vowels in the string.
	7-Mar-18	GROUP 2 : WAP to reverse a number
	8-Mar-18	GROUP 2 : WAP to check whether a number is a palindrome or not
	9-Mar-18	
	10-Mar-18	
	11-Mar-18	<b>SUNDAY</b>
3	12-Mar-18	GROUP 1 : WAP to swap two numbers (1) using temporary/buffer variable (2) without using temporary/buffer variable (3) using function
	13-Mar-18	GROUP 1 : TEST OF PROGRAMMING SKILLS
	14-Mar-18	GROUP 2: WAP which takes a string as input and counts total number of vowels in the string.
	15-Mar-18	GROUP 2 : TEST OF PROGRAMMING SKILLS
	16-Mar-18	
	17-Mar-18	
	18-Mar-18	<b>SUNDAY</b>
4	19-Mar-18	GROUP 1 : WAP to calculate factorial of a given number using recursion
	20-Mar-18	GROUP 1 : WAP to implement following function call display(a++,a++,a++)
	21-Mar-18	GROUP 2 : WAP to swap two numbers (1) using temporary/buffer variable (2) without using temporary/buffer variable (3) using function
	22-Mar-18	GROUP 2 : WAP to calculate factorial of a given number using recursion
	23-Mar-18	<b>SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU &amp; SUKHDEV</b>
	24-Mar-18	
	25-Mar-18	<b>SUNDAY/ RAM NAVAMI</b>
5	26-Mar-18	GROUP 1 : WAP to show the concept of auto, extern, register and static storage class, their scope, storage, & lifetime. Also use global variable and its effect on local variable.
	27-Mar-18	GROUP 1 : WAP to show the concept of auto, extern, register and static storage class, their scope, storage, & lifetime. Also use global variable and its effect on local variable
	28-Mar-18	GROUP 2 : WAP to implement following function call display(a++,a++,a++)
	29-Mar-18	GROUP 2 : WAP to show the concept of auto, extern, register and static storage class, their scope, storage, & lifetime. Also use global variable and its effect on local variable
	30-Mar-18	
	31-Mar-18	

WEEK	DATE	TOPICS
1	1-Apr-18	<b>Sunday</b>
	2-Apr-18	GROUP I : WAP which takes 10 integers as input in an array and prints the largest one.
	3-Apr-18	GROUP I : WAP to add two matrices
	4-Apr-18	GROUP 2 : WAP to show the concept of auto, extern, register and static storage class, their scope, storage, & lifetime. Also use global variable and its effect on local variable
	5-Apr-18	GROUP 2 : WAP which takes 10 integers as input in an array and prints the largest one.
	6-Apr-18	
	7-Apr-18	
	8-Apr-18	<b>SUNDAY</b>
2	9-Apr-18	GROUP I : WAP to multiply two matrices
	10-Apr-18	GROUP I : WAP to pass two matrices to a function which performs the addition of two matrices and returns the resultant matrix to the main function
	11-Apr-18	GROUP 2 : WAP to add two matrices
	12-Apr-18	GROUP 2 : WAP to multiply two matrices
	13-Apr-18	
	14-Apr-18	<b>DR AMBEDKAR JAYANTI / VAISAKHI</b>
	15-Apr-18	<b>SUNDAY</b>
3	16-Apr-18	GROUP I : WAP to read attributed data (Roll No, Name and Percentage) of 5 students using struct key word and printed the same data in tabular format
	17-Apr-18	GROUP I : WAP to understand the concept of keyword <i>union</i>
	18-Apr-18	<b>PARASHURAMA JAYANTI</b>
	19-Apr-18	GROUP 2 : WAP to pass two matrices to a function which performs the addition of two matrices and returns the resultant matrix to the main function
	20-Apr-18	
	21-Apr-18	
	22-Apr-18	<b>SUNDAY</b>
4	23-Apr-18	GROUP I : Queries
	24-Apr-18	GROUP I : Queries
	25-Apr-18	GROUP 2 : WAP to read attributed data (Roll No, Name and Percentage) of 5 students using <i>struct</i> key word and printed the same data in tabular format. WAP to understand the concept of keyword <i>union</i>
	26-Apr-18	GROUP 2 : Queries
	27-Apr-18	
	28-Apr-18	