

Saraswati Mahila Mahavidyalaya, Palwal

Lesson Plan :

Name of the Assistant/Associate Professor: Ms. Rekha Dua

Class and Section: B.Com Ind yr. (IVth Sem.) C.A

Name of subject: Structural Programming (Th) + 'C' (Lab)

Subject Lesson Plan : 18 weeks (from January 2018 to April 2018)

(Note: Prepare as per list of holidays declared by Haryana govt.)

WEEK 1
ASSIGNMENT: c language introduction
WEEK 1, DAY 1, DATE :01/01/2018(MONDAY)
Introduction to C language Lab: Intro to C language screen, basic
WEEK 1, DAY 2, DATE :02/01/2018(TUESDAY)
Comparison to other languages, Purpose Lab: Basic program
WEEK 1, DAY 3, DATE :03/01/2018(WEDNESDAY)
Programming rules Lab: Execution of program
WEEK 1, DAY 4, DATE :04/01/2018(THURSDAY)
Header files, fns used in 'C' L2 → Intro to C language screen, basics
WEEK 1, DAY 5, DATE :05/01/2018(FRIDAY)
Holiday on account of Guru Govind Singh's Birthday
WEEK 1, DAY 6, DATE :06/01/2018(SATURDAY)

Basic program introduction

Lab: Basic program

WEEK 2

ASSIGNMENT: Basic program for practice

WEEK 2, DAY 1, DATE : 08/01/2018 (MONDAY)

Practising of programs

lab: Execution of program

WEEK 2, DAY 2, DATE : 09/01/2018 (TUESDAY)

Execution of program, working

lab1: Practice of programs

WEEK 2, DAY 3, DATE : 10/01/2018 (WEDNESDAY)

Assignment checking / discussion

lab: Practice of basic programs

WEEK 2, DAY 4, DATE : 11/01/2018 (THURSDAY)

Operators

lab: Program on operators

WEEK 2, DAY 5, DATE : 12/01/2018 (FRIDAY)

Types of operators

lab2: Practice of programs

WEEK 2, DAY 6, DATE : 13/01/2018 (SATURDAY)

Types of operators

lab: Practice of basic programs

WEEK 3

ASSIGNMENT:

WEEK 3, DAY 1, DATE :15/01/2018(MONDAY)

Program practice based on operators
lab: Programs on operators

WEEK 3, DAY 2, DATE :16/01/2018(TUESDAY)

Decision Statement - If-Else
lab1: Program on If-Else Statement

WEEK 3, DAY 3, DATE :17/01/2018(WEDNESDAY)

If-then-Else
lab: Practice of If-Else Statement

WEEK 3, DAY 4, DATE :18/01/2018(THURSDAY)

Nested If
lab: Program on If-then-Else Statement

WEEK 3, DAY 5, DATE :19/01/2018(FRIDAY)

Nested If
lab2: Program on If-Else Statement

WEEK 3, DAY 6, DATE :20/01/2018(SATURDAY)

Programs on decision statement
lab: Practice of If-Else Statement

WEEK 4

ASSIGNMENT:

WEEK 3, DAY 1, DATE :22/01/2018(MONDAY)

Holiday on account of Basant Panchmi.
WEEK 4, DAY 2, DATE :23/01/2018(TUESDAY)
class Queries / Doubts
lab: Program on If-Else statement
WEEK 4, DAY 3, DATE :24/01/2018(WEDNESDAY)
Holiday on account of Sir Chotu Ram Jayanti.
WEEK 4, DAY 4, DATE :25/01/2018(THURSDAY)
Test from previous topics
lab1: Programs on If-then Else
WEEK 4, DAY 5, DATE :26/01/2018(FRIDAY)
Holiday on account of Republic Day.
WEEK 4, DAY 6, DATE :27/01/2018(SATURDAY)
Switch Statement
lab: Nested-If Statement practice
WEEK 5
ASSIGNMENT: Decision statements with examples
WEEK 5, DAY 1, DATE :29/01/2018(MONDAY)
Program based on Switch - practice
lab: Practice of Nested-If.
WEEK 5, DAY 2, DATE :30/01/2018(TUESDAY)
class discussion on previous topics / Diff. b/w decision statements, use
lab2: Programs on If-then-Else
WEEK 5, DAY 3, DATE :31/01/2018(WEDNESDAY)
Holiday on account of Guru Ravi Dass Jayanti
WEEK 5, DAY 4, DATE :01/02/2018(THURSDAY)
Loop controls Introduction

lab: Practice of Nested-If statement

WEEK 5, DAY 5, DATE :02/02/2018(FRIDAY)

for loop

lab: Programs practice on previous topics

WEEK 5, DAY 6, DATE :03/02/2018(SATURDAY)

Examples of for loop

lab1: Program on switch statement

WEEK 6

ASSIGNMENT:

WEEK 6, DAY 1, DATE :05/02/2018(MONDAY)

Nested for loop

lab: Program on loop control

WEEK 6, DAY 2, DATE :06/02/2018(TUESDAY)

Practice of for loop programs

lab: for-loop program practice

WEEK 6, DAY 3, DATE :07/02/2018(WEDNESDAY)

Do loop

lab2: Program on Switch statement

WEEK 6, DAY 4, DATE :08/02/2018(THURSDAY)

while loop

lab: Program on loop control

WEEK 6, DAY 5, DATE :09/02/2018(FRIDAY)

Diff. b/w do while and while
lab: for loop programs practice

WEEK 6, DAY 6, DATE :10/02/2018(SATURDAY)

Holiday on account of Maharshi Dayanand Saraswati Jayanti.

WEEK 7

ASSIGNMENT: Lab Assignment - Programs on while, do

WEEK 7, DAY 1, DATE :12/02/2018(MONDAY)

Assignment Discussion / previous papers
lab 1: Nested for, do statement

WEEK 7, DAY 2, DATE :13/02/2018(TUESDAY)

Holiday on account of Maha Shivaratri.

WEEK 7, DAY 3, DATE :14/02/2018(WEDNESDAY)

class Doubts
lab: Practice of do loop

WEEK 7, DAY 4, DATE :15/02/2018(THURSDAY)

Test based on previous topic
lab: while loop programs

WEEK 7, DAY 5, DATE :16/02/2018(FRIDAY)

Structural programming basics
lab: do-while, while programs
practice

WEEK 7, DAY 6, DATE :17/02/2018(SATURDAY)

<p>Advantages and Disadvantages of str. progⁿ.</p> <p>lab: Practice of Do-loop statements</p>
<p>WEEK 8</p>
<p>ASSIGNMENT:</p>
<p>WEEK 8, DAY 1, DATE :19/02/2018(MONDAY)</p> <p>scanf() → use, significance, relation</p> <p>lab: Practice of while loop</p>
<p>WEEK 8, DAY 2, DATE :20/02/2018(TUESDAY)</p> <p>printf() → use, significance, relation</p> <p>lab1: Test from previous programs</p>
<p>WEEK 8, DAY 3, DATE :21/02/2018(WEDNESDAY)</p> <p>Practice of programs</p> <p>lab: class discussion</p>
<p>WEEK 8, DAY 4, DATE :22/02/2018(THURSDAY)</p> <p>Test distribution, clearance of doubts</p> <p>lab: Assignment discussion</p>
<p>WEEK 8, DAY 5, DATE :23/02/2018(FRIDAY)</p> <p>Array Basics</p> <p>lab 2: Test from previous programs</p>
<p>WEEK 8, DAY 6, DATE :24/02/2018(SATURDAY)</p> <p>Types of Array → Single Dim. Array</p> <p>lab: class discussion</p>

WEEK 9
ASSIGNMENT: Previous Question papers
WEEK 9, DAY 1, DATE :26/02/2018(MONDAY)
class Presentation / Oral Viva Question Practice
lab: Assignment discussion
WEEK 9, DAY 2, DATE :27/02/2018(TUESDAY)
Multi-Dimensional Array / Questions given to students ...
lab: Program on array / Practice problem given to student
WEEK 9, DAY 3, DATE :28/02/2018(WEDNESDAY)
VACATION -II
WEEK 9, DAY 4, DATE :01/03/2018(THURSDAY)
VACATION -II
WEEK 9, DAY 5, DATE :02/03/2018(FRIDAY)
VACATION -II
WEEK 9, DAY 6, DATE :03/03/2018(SATURDAY)
VACATION -II
WEEK 10
ASSIGNMENT:
WEEK 10, DAY 1, DATE :05/03/2018(MONDAY)
Assignment discussion ...
lab: Discussion on problem practice

WEEK 10, DAY 2, DATE :06/03/2018(TUESDAY)

Pointer Declaration

lab: Programs on Array

WEEK 10, DAY 3, DATE :07/03/2018(WEDNESDAY)

Operations on pointer

lab2: Programs on Array

WEEK 10, DAY 4, DATE :08/03/2018(THURSDAY)

Program based on pointer

lab: Discussion on Assignment

WEEK 10, DAY 5, DATE :09/03/2018(FRIDAY)

Array of pointer to array

lab: Practice programs on Array

WEEK 10, DAY 6, DATE :10/03/2018(SATURDAY)

Program practice

lab1: Programs on pointer

WEEK 11

ASSIGNMENT:

Arrays / Pointers with example detail

WEEK 11, DAY 1, DATE :12/03/2018(MONDAY)

class Doubts

lab: practice of pointer programs

WEEK 11, DAY 2, DATE :13/03/2018(TUESDAY)

Test on previous unit

lab: Array of pointer to array

WEEK 11, DAY 3, DATE :14/03/2018(WEDNESDAY)

fns. Definition

lab2: Program on pointer

WEEK 11, DAY 4, DATE :15/03/2018(THURSDAY)

Prototype

lab: Practice of pointer programs

WEEK 11, DAY 5, DATE :16/03/2018(FRIDAY)

Passing parameters

lab: Array of pointer to array

WEEK 11, DAY 6, DATE :17/03/2018(SATURDAY)

Programs on functions

lab1: Program on functions

WEEK 12

ASSIGNMENT: Program on pointers usage

WEEK 12, DAY 1, DATE :19/03/2018(MONDAY)

Recursion

lab: practice of functions.

WEEK 12, DAY 2, DATE :20/03/2018(TUESDAY)

class presentation

lab: programs on call by value

WEEK 12, DAY 3, DATE :21/03/2018(WEDNESDAY)

Test distribution with explanation
Lab2: Programs on functions

WEEK 12, DAY 4, DATE :22/03/2018(THURSDAY)

Compiler / Interpreter
lab: practice of functions

WEEK 12, DAY 5, DATE :23/03/2018(FRIDAY)

Holiday on account of Shahidi diwas.

WEEK 12, DAY 6, DATE :24/03/2018(SATURDAY)

Diff between compiler / Interpreter
lab: programs on call by value

WEEK 13

ASSIGNMENT: fns. Usage, significance, Diff b/w value & call by reference.
WEEK 13, DAY 1, DATE :26/03/2018(MONDAY)

Union
lab1: Programs on call by Reference

WEEK 13, DAY 2, DATE :27/03/2018(TUESDAY)

Structure
lab: Programs on Recursion

WEEK 13, DAY 3, DATE :28/03/2018(WEDNESDAY)

Diff. b/w Union and Structure
lab: Program on union

WEEK 13, DAY 4, DATE :29/03/2018(THURSDAY)

Holiday on account of Mahavir jayanti.

WEEK 13, DAY 5, DATE :30/03/2018(FRIDAY)

Program on union / structure
lab2: Program on call by reference

WEEK 13, DAY 6, DATE :31/03/2018(SATURDAY)

Nesting union / structure
lab: Program on Recursion

WEEK 14

ASSIGNMENT:

WEEK 14, DAY 1, DATE :02/04/2018(MONDAY)

formatted and Unformatted fns
lab: Program on union

WEEK 14, DAY 2, DATE :03/04/2018(TUESDAY)

formatted and Unformatted fns
lab1: Program on structure

WEEK 14, DAY 3, DATE :04/04/2018(WEDNESDAY)

Linear Search

lab: Program using formatted
fns. and unformatted fns.

WEEK 14, DAY 4, DATE :05/04/2018(THURSDAY)

Binary Search

lab: Program practice

WEEK 14, DAY 5, DATE :06/04/2018(FRIDAY)

Graphic Applications / Basic terms

lab2: Program on structure

WEEK 14, DAY 6, DATE :07/04/2018(SATURDAY)

Graphic Applications

lab: Program using formatted and
unformatted functions

WEEK 15

ASSIGNMENT:

WEEK 15, DAY 1, DATE :09/04/2018(MONDAY)

Display Devices

lab: Program practice

WEEK 15, DAY 2, DATE :10/04/2018(TUESDAY)

Test on previous topics

lab1: Test on previous program

WEEK 15, DAY 3, DATE :11/04/2018(WEDNESDAY)
Display Devices lab 2: Test on previous program
WEEK 15, DAY 4, DATE :12/04/2018(THURSDAY)
Display Method lab 1: Program on searching - Linear
WEEK 15, DAY 5, DATE :13/04/2018(FRIDAY)
Raster Scan lab: Program on searching - Binary
WEEK 15, DAY 6, DATE :14/04/2018(SATURDAY)
Holiday on account of Vaisakhi & Dr B.R. Ambedkar's Jayanti.
WEEK 16
ASSIGNMENT: Viva / Question Papers.
WEEK 16, DAY 1, DATE :16/04/2018(MONDAY)
Test distribution / Previous Papers revision / discussion lab 2: Program on searching - linear
WEEK 16, DAY 2, DATE :17/04/2018(TUESDAY)
Input Devices lab: Program on searching - Binary
WEEK 16, DAY 3, DATE :18/04/2018(WEDNESDAY)
class Doubts

Holiday on account of Maharshi Pasuram Jayanti

WEEK 16, DAY 4, DATE :19/04/2018(THURSDAY)

Programming model of Interactive
lab 1: class Doubts

WEEK 16, DAY 5, DATE :20/04/2018(FRIDAY)

Storage formats
Lab: Viva Questions Practice

WEEK 16, DAY 6, DATE :21/04/2018(SATURDAY)

Storage formats
lab 2: class Doubts

WEEK 17

ASSIGNMENT:

WEEK 17, DAY 1, DATE :23/04/2018(MONDAY)

Revision
lab: Viva Questions Practice

WEEK 17, DAY 2, DATE :24/04/2018(TUESDAY)

class Presentation / Program practice
lab 1: Viva

WEEK 17, DAY 3, DATE :25/04/2018(WEDNESDAY)

Assignment discussion
lab: Viva

WEEK 17, DAY 4, DATE :26/04/2018(THURSDAY)

class Doubts

Lab 2: Viva

WEEK 17, DAY 5, DATE :27/04/2018(FRIDAY)

Revision

Lab: Viva

WEEK 17, DAY 6, DATE :28/04/2018(SATURDAY)

Revision

Lab 1: Revision

WEEK 18

ASSIGNMENT:

WEEK 18, DAY 1, DATE :30/04/2018(MONDAY)

Revision

Lab 2: Revision

Feb 20