

Saraswati Mahila Mahavidyalaya, Palwal

Lesson Plan :

Name of the Assistant/Associate Professor: Ms. Hemlata

Class and Section: BCA Ist year

Name of subject: C- Programming (Th+L)

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:
WEEK 1, DAY 1, DATE : 01/01/2018 (MONDAY)
What do you mean by Programming language? How to open C. (L)
WEEK 1, DAY 2, DATE : 02/01/2018 (TUESDAY)
Constructs of <u>PL</u> Check whether C is installed or Not. (L)
WEEK 1, DAY 3, DATE : 03/01/2018 (WEDNESDAY)
Needs & Benefits of PL. Installation of C in PC. (L)
WEEK 1, DAY 4, DATE : 04/01/2018 (THURSDAY)
Algorithm Explanation. Basic Requirement in C (L)
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)
Concepts & Benefits of Algorithm.

Syntax of C-Program (L)

WEEK 2

ASSIGNMENT:

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

Example Explanation of Algo.

Revision of Syntax (L)

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

Flowchart.

ASSIGNMENT - Algorithm

Basic program in C Explanation (L)

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

Rule & Syntax of flowchart.

Implementation of First Program in C (L)

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

Benefits & drawback of flowchart.

Test on Basic Program.

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

Example Explanation of flowchart.

Revision of C Structure (L)

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

class Test on Algo & flow-chart.

Declaration of Variable in C (L)

WEEK 3

ASSIGNMENT:

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

Overview of C :- History of C.

Initialization of Variable in C (L)

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

Importance of C

Implementation of Both (Declaration & Initialization) (L)

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

Elements of C :- C character set.

Illustration for students (L)

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

Identifiers & key words

declaration of Identifier & keywords (L)

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

Datatypes

implementation of Identifier & keyword

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

Continue - -

Declaration of variable with different data types (L)

WEEK 4

ASSIGNMENT:

WEEK 4, DAY 1, DATE :22/01/2018(MONDAY)

Holiday on account of Basant Panchmi.

WEEK 4, DAY 2, DATE :23/01/2018(TUESDAY)

Constant & variable.

Declaration & implementation of Constant (L)

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)

Declaration & syntax of constant & Variable.

Illustration for Students (L)

WEEK 4, DAY 5, DATE : 26/01/2018 (FRIDAY)

Holiday on account of Republic Day.

WEEK 4, DAY 6, DATE : 27/01/2018 (SATURDAY)

Assignment Statement & Symbolic constant

Illustration on Assignment Statement.

WEEK 5

ASSIGNMENT:

WEEK 5, DAY 1, DATE : 29/01/2018 (MONDAY)

Structure of C Program.

Illustration on Datatype, Variable & Constant.

WEEK 5, DAY 2, DATE : 30/01/2018 (TUESDAY)

Printf. functions

Program to print a no. of strings using multiple printf statements.

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)

scanf functions

Program to read values at Run-time. (L)

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

Operators & Expression.

Program to read & manipulate data. (L)

WEEK 5, DAY 6, DATE :03/02/2018(SATURDAY)
Arithmetic & Relational operators Program based on Arithmetic operators
WEEK 6
ASSIGNMENT:
WEEK 6, DAY 1, DATE :05/02/2018(MONDAY)
logical & Bitwise operators Program based on Relational operators
WEEK 6, DAY 2, DATE :06/02/2018(TUESDAY)
Unary, assignment & shorthand operators Program based on logical, unary operators
WEEK 6, DAY 3, DATE :07/02/2018(WEDNESDAY)
Conditional & Increment & decrement operators Program based on conditional operators
WEEK 6, DAY 4, DATE :08/02/2018(THURSDAY)
Class Test :- operators Program based on Bitwise operators
WEEK 6, DAY 5, DATE :09/02/2018(FRIDAY)
class. Test :- Data types Test on: operators (L)
WEEK 6, DAY 6, DATE :10/02/2018(SATURDAY)
Holiday on account of Maharshi Dayanand Saraswati Jayanti.
WEEK 7
ASSIGNMENT:

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

Arithmetic Expression & evaluation
Assignment :- Datatypes

Program on Increment operators

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

Holiday on account of Maha Shivaratri.

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

Type casting & conversion, Operator hierarchy
& associativity.

Illustration on Operation (++)

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

Discussion on 1st Unit

Program on Decrement operators (--)

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

Decision making of IF statement

Illustration on Decrement operator.

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

IF-else statement.

Test on :- Operators (++)

WEEK 8

ASSIGNMENT:

WEEK 8, DAY 1, DATE : 19/02/2018 (MONDAY)

Nested-if statement & Else if ladder

WEEK 8, DAY 2, DATE :20/02/2018(TUESDAY)

switch statement

Explanation of switch statement syntax

WEEK 8, DAY 3, DATE :21/02/2018(WEDNESDAY)

Continue - -

Program on switch statement.

WEEK 8, DAY 4, DATE :22/02/2018(THURSDAY)

Continue - - -

Illustration for students on switch statement.

WEEK 8, DAY 5, DATE :23/02/2018(FRIDAY)

Goto statement.

Program on the concept of Goto statement.

WEEK 8, DAY 6, DATE :24/02/2018(SATURDAY)

looping - for

Explanation of for syntax & implementation

WEEK 9

ASSIGNMENT:

WEEK 9, DAY 1, DATE :26/02/2018(MONDAY)

while loop.

Program on the concept of while loop.

WEEK 9, DAY 2, DATE :27/02/2018(TUESDAY)

Explanation of for & while loop

Illustration based on for & while loop

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)

Do-while loop.

Program on the concept of Do-while loop.
(L)

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

Explanation of Do-while loop.

Illustrations for students on Do-while loop (L)

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

Difference b/w loops.

Test on loops (L)

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

Jumps in loop — Break.

Program on Nested loops. (L)

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

Jumps in loop (continue...)

Programs on Jumps in loop concepts

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

Nesting of loops using for
continue: ...

WEEK 11

ASSIGNMENT: LOOPS

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

continue... (while) Assignment: LOOP

Nesting loop using while only

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

continue (do-while)

Nesting loop using do while only

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

continue (different loop combination)

Illustration for students

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

Function's. - standard mathematical function

Illustration for students

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

I/O : formatted & Unformatted I/O functions

Programs to create function.

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

I/O functions i.e. getch(), getchar(), gets

Illustration for students. (L)

WEEK 12

ASSIGNMENT:

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

Output function - putchar(), putchar(), puts().

Program for Inbuilt functions (L)

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

String manipulation functions.

Illustration for students. (L)

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

User defined functions:- Introduction, prototype

Test on Switch Statement. (L)

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

Local & global variable, passing parameters

Program on the concept of local & global variable (L)

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

Holiday on account of Shahidi diwas.

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

continue...

Illustration for students (L)

WEEK 13

ASSIGNMENT:

WEEK 13, DAY 1, DATE : 26/03/2018 (MONDAY)

Recursion.

C Test :- Functions

Program based on Recursion Concept.

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

Array - Definition, types, processing.

Program to declare & initialize array (1-D)

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

Passing array to functions, Array of strings

Program to implement 2-D array.

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

Holiday on account of Mahavir jayanti.

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

String constant & variables.

Illustration of 1-D array :

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

Declaration & Initialization of string

Illustration of 2-D array.

WEEK 14

ASSIGNMENT:

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

Test :- ARRAY

Program based on Array

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

I/O of string data

continue...

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

Continue... Test :- String

continue...

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

Introduction to pointers

Program on String.

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

Explanation of Syntax, use & code of
Pointers

Program on Pointer.

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

Storage classes in C.

File (Practical file), 12 programs

WEEK 15

ASSIGNMENT:

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

Test :- Loop's

Practical file -

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

Auto Storage class with example
Explanation

Practical file -

WEEK 15, DAY 3, DATE :11/04/2018(WEDNESDAY)

Extern Storage class, scope, storage &
lifetime.

Practical file -

WEEK 15, DAY 4, DATE :12/04/2018(THURSDAY)

Register Storage class, scope, storage &
lifetime

Practical file -

WEEK 15, DAY 5, DATE :13/04/2018(FRIDAY)

Discussion / Revision of Functions

Practical file -

WEEK 15, DAY 6, DATE :14/04/2018(SATURDAY)

Holiday on account of Vaisakhi & Dr B.R. Ambedkar's Jayanti.

WEEK 16

ASSIGNMENT:

WEEK 16, DAY 1, DATE :16/04/2018(MONDAY)

Static storage class, their scope, storage
& lifetime.

WEEK 16, DAY 2, DATE :17/04/2018(TUESDAY)

Revision of Datatypes.
Practical file (---)

WEEK 16, DAY 3, DATE :18/04/2018(WEDNESDAY)

Holiday on account of Maharshi Pasuram Jayanti

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

Test on Storage classes.
Practical file (---)

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

Revision start from Unit I
Checking of Practical file

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

Revision (tu+L)

WEEK 17

ASSIGNMENT:

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

Revision (tu+L)

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

Revision (tu+L)

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

Revision (tu+L)

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

Revision (tu+L)

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

Revision (tu+L)

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

Revision (tu+L)

WEEK 18

ASSIGNMENT:

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

Revision (tu+L)

Flavelats
08/12/17