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**3rd Sem /Computer, Computer ( For Speech and Hearing Impaired), ECE, ECE (For Speech and Hearing Impaired)**

**Subject:- Programming in C**

Time : 3Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory. (6x1=6)

Q.1 In which year, C was developed

- a) 1986                      b) 1972
- c) 1995                      d) 2001

Q.2 Which symbol is used to assign a value to a variable

- a) .                              b) ;
- c) /                              d) =

Q.3 Which of the following is not a C Keyword?

- a) if                              b) Switch
- c) Else                              d) Class

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Q.4 Which operator is used to find the remainder of two numbers in C?

- a) \                              b) %
- c) #                              d) \*

Q.5 When an algorithm is written in the form of a programming language, it becomes a

- a) Flowchart                      b) Syntax
- c) Program                      d) Pseudocode

Q.6 Loops in C language are implemented using?

- a) While block                      b) For block
- c) Do while block                      d) All the above

### SECTION-B

**Note:** Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Array is \_\_\_\_\_ data type.

Q.8 Write full form of PDLC.

Q.9 A function written by a programmer is called user defined function. (True/false)

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- Q.10 A variable that is used to hold the memory address of another object is called \_\_\_\_\_
- Q.11 If-else statement is used for decision making. (True/false)
- Q.12 \_\_\_\_\_ is an input function in C. (printf/scanf)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Define flowchart. Draw a flowchart to find larger among two numbers.
- Q.14 Explain while loop with example.
- Q.15 Differentiate between call by value and call by reference.
- Q.16 Explain arithmetic operators in C language.
- Q.17 What is pointer? Explain its benefits.
- Q.18 List various modes of accessing files.
- Q.19 Write an algorithm to multiply two numbers.
- Q.20 Write the advantages of Structure over union.

- Q.21 Explain different types of statements with example.
- Q.22 What is function? Explain the need of function.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain various operators available in C.
- Q.24 Define array. Explain its types. Write a program to read and print the elements of an array.
- Q.25 What do you mean by loop constructs in C? Explain various loop constructs used in C with example.