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Roll No.

220833

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

Subject : Programming in C

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Decrement operator, --, decrease value of variable by what number

- a) 2
- b) 3
- c) 0
- d) 1

Q.2 Which access specifier is used to indicate float data type

- a) %d
- b) %c
- c) %f
- d) %s

Q.3 Which of the following is not C keyword

- a) if
- b) switch
- c) else
- d) class

Q.4 Output of $8\%4$ is:

- a) 0
- b) 6
- c) 4
- d) 2

Q.5 How many keywords are available in C

- a) 30
- b) 32
- c) 28
- d) 36

Q.6 How many bytes of memory does a Float data type takes for storage

- a) 2
- b) 4
- c) 8
- d) 16

SECTION-B

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

Q.7 Define Constant.

Q.8 Name any two keywords.

Q.9 Who developed C?

Q.10 What is the purpose of break statement?

Q.11 How single line comments are written in C?

Q.12 Define Algorithm.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

- Q.13 Explain various data types available in C.
- Q.14 Define Flowchart. Draw a flowchart to find the smallest of two numbers.
- Q.15 Explain arithmetic & Relational Operators used in C.
- Q.16 Write a program to print even numbers upto 40.
- Q.17 Difference between call by value & call by reference.
- Q.18 Define Array. Explain in brief its types.
- Q.19 Explain any two string functions.
- Q.20 Difference between Structure & Union.
- Q.21 Explain if statement.
- Q.22 Define File. Name various operations performed on a file.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

- Q.23 Explain various loops available in C.
- Q.24 Define Function. Explain its types with example.
- Q.25 Explain Program Development Life Cycle.