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120825/030825

**2nd Sem./ Computer Engg.**  
**Subject:- Programming in C**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 What is the output of 10%3

- a) 3                                      b) 10
- c) 1                                        d) 0

Q.2 Which is valid C expression?

- a) int my\_num = 10,000;
- b) int my\_num = 10000;
- c) int my num = 10000;
- d) int \$my\_num = 10000;

Q.3 How many keywords are available in C

- a) 30                                      b) 32
- c) 23                                       d) 10

Q.4 Increment operator, ++, increase value of variable by what number

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

Q.5 Which of the following is not C keyword

- a) While                                  b) do
- c) system                                d) else

Q.6 Every statement in C language should end with a ?

- a) .                                        b) ,
- c) ;                                        d) :

Q.7 >= is a \_\_\_\_\_ operator

- a) Arithmetic                            b) Unary
- c) Relational                            d) Logical

Q.8 Who developed C

- a) Dennis Ritchie                        b) James Gosling
- c) Jonny Bair                              d) Thomson

Q.9 How many bytes does an integer data type takes to store in memory

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

Q.10 The access specifier for float is :

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

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 In which year C was developed
- Q.12 What is the purpose of Continue statement
- Q.13 Define Recursion
- Q.14 Define Variable
- Q.15 Define Interpreter
- Q.16 Write the syntax of While Loop
- Q.17 Name any two keywords are available in C
- Q.18 How many bytes of memory does a float data type takes for storage
- Q.19 Define File
- Q.20 Name any two header files

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Define string. Write a program to calculate the length of a string
- Q.22 Difference between while & do-while loop

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- Q.23 Write an algorithm to Multiply two numbers
- Q.24 Explain Else If statement with example
- Q.25 Draw a flowchart to find greatest of two numbers
- Q.26 Explain primitive data types available in C
- Q.27 How comments are written in C
- Q.28 Difference between structure & union
- Q.29 Define Recursion. Explain its use with example
- Q.30 Explain for Loop with example
- Q.31 Write a program to find smallest of two numbers
- Q.32 Define Function. Explain its types
- Q.33 Explain basic file operations
- Q.34 Define pointer. How it is declared, explain with example
- Q.35 Explain various types of array

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain structure of a C program
- Q.37 Explain various operators available in C
- Q.38 Explain various Loops available in C

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