

### SECTION-D

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

- Q.23 a) Define function with its types.  
b) Explain the use of f open () and f close ().
- Q.24 Explain different types of loops in C with the help of examples.
- Q.25 Write a program to create and access a structure that stores employee records.

No. of Printed Pages : 4

220833

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**3rd Sem./ Computer, Computer (For Speech and Hearing Impaired), ECE, ECE (For speech and Hearing Impaired)  
Sub : Programming in C**

Time : 3 Hrs.

M.M. : 60

### SECTION-A

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

- Q.1 Who is the father of C language?  
a) Steve Jobs                      b) James Gosling  
c) Dennis Ritchie                d) Rasmus Lerdorf
- Q.2 Which of the following are themselves a collection of different data types?  
a) String                              b) Structures  
c) Char                                d) All of the above
- Q.3 Which among the following is NOT a logical or relational operator?  
a) !=                                    b) ==  
c) ll                                      d) =

- Q.4 Which data type is most suitable for storing a number 65000 in a 32-bit system?
- a) Signed short            b) Unsigned short  
c) Long                      d) Int
- Q.5 The value obtained in the function is given back to main by using \_\_\_\_ keyword.
- a) return                      b) Static  
c) New                         d) Volatile
- Q.6 A variable declared in a function can be used in main().
- a) True  
b) False  
c) True if it is declared static  
d) None of the above

### SECTION-B

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

- Q.7 Which symbol is used for comment in C?
- Q.8 What is recursion?
- Q.9 Write the keyword to declare a constant in C.
- Q.10 Mention one conditional control statement.

(2)

220833

- Q.11 What does malloc () do?
- Q.12 Define pointer?

### SECTION-C

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

- Q.13 What do you mean by data type? Explain basic data types in “C” with examples.
- Q.14 Describe properties of a good program.
- Q.15 Explain the use of the switch-case statement with example.
- Q.16 Write a program to find the sum of all elements in an array.
- Q.17 Explain one-dimensional and two-dimensional arrays.
- Q.18 Explain union and how it differs from structure.
- Q.19 Explain string input / output function in “C”.
- Q.20 Write down the difference between actual parameter and formal parameters.
- Q.21 Define flowchart. Write down its advantages.
- Q.22 Write a program using pointer to swap two numbers.

(3)

220833