

S. B. Roll. No.....

COMPUTER PROGRAMMING USING C
3rd Exam/ECE/IT/CSE/0295/Dec'22
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. Is "3_a" a valid C variable name? (Yes/No)
- b. All keywords in C are in lowercase alphabets. (True/False)
- c. Format identifier "%f" is used for _____ data type.
- d. Operator "%" in C is called _____.
- e. In statement "int a=10+4.8351", value assigned to 'a' will be _____.
- f. "#include" is a _____ directive.
- g. In C language "stdio.h" is a _____ type of file.
- h. A flowchart is a _____ representation of an algorithm.
- i. In flowcharts the decision making statements are shown in _____ shape of box.
- j. The operators in C language, which act upon single operand, are known as _____.
- k. _____ statement is used to exit from switch statement.
- l. In C language "do-while" statement will be executed at least one time even if condition is initially false. (T/ F)
- m. A pointer is a variable that holds _____ of the data item.
- n. In "call by reference" method of passing arguments to a function, the _____ of actual arguments are used in the function call.
- o. In an array, all data items must be of _____ data type.

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Write down the differences between 'structure' and 'union'.
- ii. What do you understand by 'local' and 'global' variables as used in C.?
- iii. Define 'pointer', 'reference' and 'dereferencing'
- iv. Explain the syntax of 'for' statement.
- v. Explain in which cases 'switch' statement is better as compared to 'if-else' statement.
- vi. What is the difference between getch() and getche().
- vii. What do you mean by 'identifier' and 'keywords' in C language?
- viii. Explain the 'conditional operator' of C.
- ix. State the advantages of flow charts.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. What is a variable? Explain the types of a variable. Also write down the rules for naming a variable.
- b. What do you understand by unformatted input/ output statements? Explain any three unformatted input/ output statements.
- c. Write a program in C to find the sum of first 10 natural numbers.
- d. What do understand by a function? What are various methods of passing arguments to a function?
- e. What is an array? Explain the types of array. How arrays can be initialized?