



Seat No. _____

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F8X-003-3021001
P. G. D. C. A. (Sem. I) (CBCS)
(W.E.F. 2022) Examination

December - 2022

Fundamental of Programming
Using C : CS-01

Faculty Code : 003

Subject Code : 3021001

Time : 2½ Hours / Total Marks : 70

- 1 (a) Objective type questions : 4
- (1) _____ has developed C language.
 - (2) _____ bytes are occupied by int data type.
 - (3) _____ number of keywords are there in C language.
 - (4) _____ is used to add header files in a c program.
- (b) Attempt any one : 2
- (1) Explain Keywords.
 - (2) Explain Constants.
- (c) Attempt any one : 3
- (1) Explain structure of C program.
 - (2) Differentiate printf() vs scanf() function.
- (d) Attempt any one : 5
- (1) Write a note on Data types in C.
 - (2) Write a note on Types of Operators in C.
- 2 (a) Objective type questions : 4
- (1) _____ is known as a group of similar data type in C.
 - (2) _____ is known as exit control loop.
 - (3) Array index starts from _____.
 - (4) _____ is a two way branching statement in C.
- (b) Attempt any one : 2
- (1) Explain simple if...else statement.
 - (2) Explain switch case statement.

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- (c) Attempt any one : 3
 (1) Explain one dimensional array.
 (2) Differentiate entry controlled loop vs exit controlled loop.
- (d) Attempt any one : 5
 (1) Write a note on two dimensional array with example.
 (2) Write a note on Nesting of loops with example.
- 3 (a) Objective type questions : 4
 (1) An array that uses more than two subscript referred to as _____ array.
 (2) _____ function find the length of a given string.
 (3) In command line, args stands for _____.
 (4) In command line, argv stands for _____.
- (b) Attempt any one : 2
 (1) Explain Strings.
 (2) Explain Scope of Data.
- (c) Attempt any one : 3
 (1) Explain Recursive function.
 (2) Explain Multidimensional character array.
- (d) Attempt any one : 5
 (1) Write a note on Command line arguments.
 (2) Write a note on user defined functions in C.
- 4 (a) Objective type questions : 4
 (1) A variable which stores the address of another variable is called a _____.
 (2) _____ keyword is used to declare a structure type.
 (3) _____ symbol is used to declare a pointer.
 (4) _____ is known as the address of operator.
- (b) Attempt any one : 2
 (1) Explain union.
 (2) Explain Pointer.
- (c) Attempt any one : 3
 (1) Explain Enumeration Types.
 (2) Explain Structure Vs. Union.
- (d) Attempt any one : 5
 (1) Write a note on Structure with example.
 (2) Write a note on Pointers and function with example.

- 5 (a) Objective type questions : 4
- (1) _____ mode is used to open the file in write mode.
 - (2) _____ mode is used to open the file in read mode.
 - (3) EOF stands for _____.
 - (4) _____ function is used to write char data to file.
- (b) Attempt any one : 2
- (1) Explain fprintf() and fscanf() function.
 - (2) Explain fopen() and fclose() function.
- (c) Attempt any one : 3
- (1) Explain Types of Files.
 - (2) Explain Text files Vs. Binary files.
- (d) Attempt any one : 5
- (1) Write a note on File management functions in C.
 - (2) Create a program that uses files to write and read char data.

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