

RETEST EXAMINATION
CO-304
3rd Sem/ CSE
Programming Using C
Total Time : 3 hours
Total Marks: 70
PART-A

(Total marks: 25; All the questions are compulsory)

Q1. Say True or False:

10x1=10

- a) "\n" is an escape sequence operator.
- b) "&" operator is used with printf().
- c) Variables can be declared at any position in a program.
- d) double is a basic data type in C.
- e) Array index in C starts from 1.
- f) "FILE" is a data type.
- g) Every C language statement ends with a semicolon.
- h) A for loop contains 3 clauses.
- i) Parameters of a calling function are called formal parameter.
- j) A pointer variable contains the address of another variable.

Q2. Fill up the blank.

10X1=10

- a) Value of constant _____ during execution of a program but value of variable is _____ during execution of a program.
- b) Escape sequence _____ is used to break a line but ____ is used for carriage return.
- c) Modulus operator is used to get _____ of integer division but sizeof operator is used to _____.
- d) Diamond symbol in flowchart is used to indicate _____ but parallelogram is used to indicate _____.
- e) Break command is used to _____ a loop but continue statement is used to _____ in a loop.



Q3. Choose the correct answer:

5x1=5

- i) Example of a user defined data type is:
a) int b) structure c) pointer d) None of these
- ii) In an array elements may be of:
a) mixed type b) same type
c) int type d) none of these.
- iii) Parameters in a called function is referred as:
a) formal parameter b) actual parameter
c) local parameter d) none of these.
- iv) A global variable can be accessed from:
a) main() b) function other than main()
c) any function d) none of these.
- v) fscanf() function is used to read data from:
a) keyboard b) user c) file d) none of these

PART-B

(Total marks: 45; Answer any 3 questions)

- Q5. a) Describe the basic and derived data types in C language. 6
b) What are the relational and logical operators used in C language? Name them. 6
c) Show the conversion specifications available in C language. 3
- Q6. a) Describe the branching statements- if , nested if and switch 6
b) Write a C program to read a positive number and find factorial for it. 5
c) Define the terms: 4
i) called function, ii) calling function
iii) actual parameter v) formal parameter
- Q7. a) Draw a flow chart to read 3 numbers and find the greatest number out of them. 5
b) Convert the above flowchart into program. 5
c) Describe the symbols used in a flowchart. 5



- Q8. a) Differentiate between while and do...while statement. 4
b) Differentiate between structure and union 4
c) Write a C program to read age of 50 persons and sort them into an order. 7
Display both original and sorted list of age.

Q9. Write Short note on –(any three)

5x3=15

- a) Any one Sorting method.
b) Loops in C.
c) String function - strcmp()
d) Sequential file organization.

