



BAL-2353

Seat No. _____

M. Sc. (Sem. I) (CA & IT) Examination

April/May – 2014

CC-103 : Introduction to Programming Language
(New Course)

Time : 3 Hours]

[Total Marks : 70

- 1 (a) Do as directed 4
- (1) What is algorithm?
 - (2) What is flowchart?
 - (3) A comment can be inserted in the middle of a statement.(T/F)
 - (4) The keyword _____ can be used to create a data type identifier.
- (b) Attempt the following : (any two) 10
- (1) Explain machine level and high level programming language.
 - (2) What is variable? How does it differ from constant? What are naming rules for it?
 - (3) Explain data types in 'C' language.
- 2 (a) Do as directed 2
- (1) Distinguish getchar and scanf function.
 - (2) To print the data left-justified, we must use _____ in the field specification.
- (b) Attempt the following 08
- (1) What is operator ? Explain logical operators.
 - (2) Explain increment and decrement operators with example.
 - (3) Explain printf() and scanf() function with suitable example.

- 3 (a) Do as directed 04
- (1) Define: Continue statement
 - (2) Differentiate: Entry control and Exit Control loop
 - (3) _____ is the process of arranging the elements of an array in order.
 - (4) The function strcmp ("abc", "ABC"); returns a positive number.(T/F).
- (b) Attempt the following (Any two) 10
- (1) Explain else if ladder statement with example.
 - (2) What is array? Explain one dimensional array with example.
 - (3) Describe string handling functions.
- 4 (a) Do as directed 03
- (1) What is actual and formal arguments ?
 - (2) _____refers to the region where a variable is actually available for use.
 - (3) Distinguish: Structure and union.
- (b) Attempt the following (Any three) 15
- (1) What is recursion? Explain with example.
 - (2) Write a program to check a given number is prime or not using function.
 - (3) Write short note on storage classes of 'C' variable.
 - (4) Explain array within structure with example.
- 5 (a) Do as directed 04
- (1) The _____ operator returns the value of the variable to which its operand points
 - (2) An integer can be added to a pointer.
 - (3) All files should be declared as type _____ before they are used.
 - (4) The _____ mode is used for opening a file updating.

- (b) Attempt the following : (any two) **10**
- (1) What is pointer? Explain pointer as argument with example.
 - (2) Explain command line argument with example.
 - (3) What is preprocessor? Explain preprocessor directives.
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