Exam.Code:0028
Sub. Code: 1363

1057

Bachelor of Computer Applications

Second Semester

BCA-204: Computing Programming and Problem Solving Through C (OLD)

Time allowed: 3 Hours Max. Marks: 90

NOTE: *Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.*

x-x-x

UNIT – I

I. a) Explain various steps in developing a Computer Program. (6)

b) Explain any three input functions and three output functions. (6,6)

II. a) What is data-type? Explain various data-type supported by C language. (6)

b) Write briefly about program debugging, compilation and execution. (4,4,4)

UNIT – II

III. a) Explain various operators supported by C-language.

b) Define function. How parameters are passed to it? Explain through example.

c) Write a note on Recursion. (3x6)

IV. a) How decision making and branding is carried out in C? Explain any three through examples.

b) Write a program to differentiate between call by value and call by reference. (9,9)

UNIT – III

V. a) Draw difference between single and multidimensional array through their implementation.

b) What is Structure? How its elements are accessed? Explain through program. (9,9)

VI. a) Write a program to show the implementation of multidimensional arrays.

b) Draw difference between Structure and Union through program. (9,9)

UNIT – IV

VII. a) How string variables are initialized and are implemented in C? Explain through program example. (2,7)

b) Define Pointers. What is the difference between Pointer and Arrays? Explain through example. (2,7)

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VIII. a) Explain any three string handling function. (9)

b) What is data-file? How its contents are assessed to solve a problem? Explain through example. (2,4,3)

UNIT – V

IX. Explain the following:-

a) Assignment through Pointers

b) History of C

c) Unformatted I/O function

d) Type casting

e) Arrays of Structure

f) Storage Class

g) Global and Local variables

h) Identifiers and keywords

i) Flow-Chart (9x2)

x-x-x