

P-831

Total Pages : 3

Roll No.

BCA-02/DIT-06

Introduction to Computer Programming Using C

Bachelor/Diploma in Computer Application (BCA/DIT)

1st Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Explain various dynamic memory allocation functions with proper example.
2. What is file? Explain file handling in C language.
3. What is pseudo code? Explain with example, how it is used as a problem solving tool.
4. What is recursion? Explain it with an example.
5. What is array? Explain the declaration and initialization of one dimensional and two dimensional array with an example.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. What is macro and preprocessor directive in C language? Explain.
2. What is the difference between structure and union?
3. What is the Purpose of size of 0 operator? Explain by taking suitable examples.

4. Explain the process of declaring and initializing pointers. Give an example.
 5. Write a program in C to reverse a string.
 6. What are formal and actual arguments? What is the relationship between formal and actual argument?
 7. What are the conditional control statements used in C? Explain with syntax and example.
 8. Explain about printf() and scanf() function with suitable example.
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