

P-1058

Total Pages : 3

Roll No.

ESC-506

Computer Programming-II

M.Sc. Environmental Science (MSCES)

2nd Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) 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 Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.
(2×9½=19)

1. What do you mean by multidimensional array? Write a 'C' program to search an element in an array.

2. Discuss and differentiate between union and structure through suitable example.
3. What are the features are of object oriented programming?
4. Explain the memory management operators available in C++ with example.
5. Discuss the role of access specifiers in inheritance and show their visibility when they are inherited as public, private and protected.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. Explain the following string handling functions:
 - (a) strcpy()
 - (b) strlwr()
 - (c) strset()
 - (d) strlen()
2. Explain file handing in 'C language using suitable example.

3. What is the difference between structure and class? Explain it through example.
 4. What is the difference between while and do-while statements? Write a program and generate the output to discuss the difference between these two.
 5. Explain the friend function using suitable example.
 6. What do you understand by an abstract class?
 7. What is the use of scope resolution operator in C++?
 8. How Information Technology can be used in the field of Environment Science?
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