UESA – CA - CC-1

2022-25

Full Marks : 60

Time : 3 Hours

Candidates are required to give their answer in their own words as far as practicable. Their figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Compulsory)

Very short answer type question.

$1 \times 10 = 10$

1. Solve **all** questions :

   (i)   What are the basic data types in C/C++ ?

   (ii) How do you declare an integer variable in C/C++ ?

   (iii) What is break statement ?

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(iv) What is <stdio.h> Header File ?

(v) What is the extension of saving file in C++ ?

(vi) What is keyword ?

(vii) Write the syntax of array in C/C++.

(viii) What is pointer ?

(ix) What is function ?

(x) What is difference between comma and semi colon operator ?

2. What is Operator ? Explain any **five** types of operator.   5

Group - B

Solve any **three** questions from the following :

          15×3=45

3. (a) Differentiate between <iostream.h> and <conio.h>.   5

(b) Differentiate between gets() and puts().

5

(c) Differentiate between clrscr() and getch().

5

4. (a) Write the syntax of (a) if -else (b) nested if-else.

5

(b) WAP in C/C++ to find greater between two numbers.

5

(c) WAP in C/C++ to find input year is leap or not ?

5

5. (a) What is the difference between call by value and call by reference function ? Explain with examples.

10

(b) WAP in C/C++ to find factorial of any digit.

5

6. What is the purpose of a constructor in C++ ? How many its types. Explain with the help of suitable programming examples.

15

7. What is Inheritance ? Explain its types with the help of suitable programming examples.

15

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