

Roll No.....

Total No. of Sections : 03

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Code No. : C-295

Annual Examination - 2019

B.C.A. Part - II

BCA-203

PROGRAMMING IN C++ & VISUAL C++

Max.Marks : 100

Time : 3 Hrs.

Min.Marks : 40

Note : Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences : (2 × 10=20)

- Q.1 Define Class.
- Q.2 What is reusability?
- Q.3 What is Inheritance?
- Q.4 Define base class.
- Q.5 Define array.
- Q.6 What is inline function?
- Q.7 What is relationship?
- Q.8 What is relational Database?
- Q.9 What is VC++?

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Q.10 What is device context?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 : (6 5=30)

Q.1 Write the advantages of object oriented programming.

OR

Define polymorphism? Write its types also.

Q.2 Discuss the constructor with example.

OR

Explain any three string functions with example.

Q.3 Define function. Write a C++ program to find the factorial of any inputted number using function.

OR

Write a C++ program to demonstrate virtual function.

Q.4 What is attribute? Write the types of attributes with example.

OR

Explain any methodology for object oriented design.

Q.5 Describe the main window object with example.

OR

Discuss the windows event oriented programming with example.

Section - 'C'

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Answer the following long-answer-type questions with word limit 300-350 : (10 5=50)

Q.1 Write the characteristics of object oriented programming language.

OR

Write a C++ program to demonstrate single inheritance.

Q.2 What is operator overloading? Explain with suitable example.

OR

Write a program in C++ to check whether the inputted word is palindrome or not.

Q.3 Write a program to demonstrate overloaded function.

OR

Write a program in C++ to search a number from 10 inputted number using array.

Q.4 Discuss the object oriented database in detail.

OR

Explain the object behavioral concept in detail.

Q.5 Describe the parts of VC++ program with example.

OR

Discuss the VC++ workspace with example.

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