EVN–2692

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BCA II Semester
Examination, 2023–24
PROGRAMMING IN C++

Paper : II

Time : 2 : 30 Hours] |Max. Marks : 70

Note : Attempt any *five* questions. Each question carries equal marks.

Q. 1. (a) Explain the features of structured programming in brief with its advantages and disadvantages.

(b) Write a C++ programme to demonstrate the use of switch statement.

Q. 2. (a) What is an Object ? Explain how objects in C++ are created and destroyed, with help of example.

(b) List any 5 common examples of exceptions.

Q. 3. (a) What is constructor ? Explain the advantages of constructor.

(b) Define member function. Explain the purpose of member function.

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Q. 4. (a) Explain the need of operator overloading. Write a programme to overload "+" operator.

(b) Explain the inheritance and multi-inheritance with an example.

Q. 5. (a) What is the friend function ? Write a programme to explain.

(b) Explain the basic characteristics of OOP's.

Q. 6. (a) What is Polymorphism ? Write the advantages of using it.

(b) Explain the concept of virtual function.

Q. 7. (a) What is exception ?

(b) Write short notes on the following :

(i) Message Passing

(ii) Objects

(iii) Structured programming

(iv) Access Specifier

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