AE-1334

PGDCA (New Course)
Term End Examination, 2016-17

Paper - IV

Programming Using C and C++

Time : Three Hours] [*Maximum Marks* : 100
[*Minimum Pass Marks* : 40

Note : Answer **all** questions. All questions carry equal marks.

1. Answer the following questions :

(*a*) What is C ?

(*b*) List control statement in C.

(*c*) Write different types of loops available in C with syntax.

(*d*) What do you mean by object and class ?

(*e*) What are static data and static member functions ?

(2)

(*f*) Write the difference between overloading and overriding.

(*g*) What is the need of virtual function ?

(*h*) What is meant by abstract class ?

(*i*) Write about pure virtual function.

(*j*) Write five file handling functions used in C++.

2. What is data type ? Explain different data types available in C.

OR

Write a program in C to find factorial of a given number using recursion.

3. Explain different types of constructor used in C++ with example.

OR

Write the basic concept of OOPs.

4. Discuss the use of type casting with an example.

OR

What do you mean by operator overloading ? Demonstrate a binary operator overloading with suitable example.

(3)

5. What is Inheritance ? Explain the type of inheritance available in C++.

OR

What do you mean by virtual function ? Explain with example.

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