

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.
