

AJ-1601
P.G.D.C.A.
Term End Examination, 2021-22
Programming Using C and C++
(Paper-IV)

Time : 3 hrs.]

[Maximum Marks : 100

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

1. Answer the following in short :
- (i) Write the prototype of "printf" function in C language.
 - (ii) Which preprocessor command is used to create constant ?
 - (iii) What is default argument ?
 - (iv) What is the use of data type in pointer ?
 - (v) What is array initialization ?
 - (vi) What is auto storage class ?
 - (vii) What is user defined data type ?
 - (viii) What is string ?
 - (ix) What is the use of break statement ?
 - (x) What is integral expression ? Write an example.
 - (xi) What is 'inline function ?
 - (xii) What is the use of associativity ?
 - (xiii) What is the use of conditional operator?
 - (xiv) What is the type casting ?
 - (xv) What is struct ?

[Unit-I]

2. What is looping statement ? Explain the syntax and working of each loop statement with suitable example.

OR

What is user defined function ? Write a recursive function to convert decimal number into binary number.

[Unit-II]

3. What is class ? Explain different types of member of a class with their uses.

OR

What is friend function and function overloading? Explain with suitable program.

[Unit-III]

4. What is binary operator overloading ? Explain the different ways to overload binary operator "*" with suitable program.

OR

Explain the following :

- (a) Type conversion (b) String manipulation.

[Unit-IV]

5. What is overloading ? Explain the use of virtual function in function overloading with sample program.

OR

What is Hybrid inheritance ? Explain its use with suitable program.

[Unit-V]

6. What is file ? Explain file handling functions with their use in detail.

OR

What is operator ? Explain the use of different types of pointer with suitable program.