AJ-1342

B.C.A. (Part–II) Term End Examination, 2021-22

OBJECT ORIENTED PROGRAMMING USING C++ (Paper-VI)

Time : 3 hours] **[Maximum Marks : 100**

Note : *Answer from all the units and question no. 1 is compulsory.*

1 Answer the following in short :

(a) What is data binding ?
(b) What is decision control statement ?
(c) When we should use array ?
(d) What is prototype of function ?
(e) Write the syntax of switch statement ?
(f) What is the use of "size of" operator ?
(g) What is pure virtual function ?
(h) What is Exception ?
(i) What is data type ?
(j) What is conditional expression ?

[Unit-I]

2 What is Operator ? Explain its. types in short and write a simple program to demonstrate the use of following operator in a single program :
(a) Logical operator. (b) Bitwise operator.

OR

Explain the concept of Oops with their use in detail.

[Unit-II]

3 What is Array ? How we can pass array as an argument into the function ? Write a simple program to demonstrate its use.

OR

What is structure ? Explain in detail with suitable program.

[Unit-III]

4 What is object ? Explain different ways of creating object with suitable program.

OR

What is friend class ? Explain its need with suitable program and its justification.

[Unit-IV]

5 What is the difference between function and operator overloading ? Write a simple program to demonstrate the use of function overloading.

OR

What is data type conversion ? How it differ from type casting ? Write a simple program to demonstrate the use of different types of conversion.

[Unit-V]

6 What is polimorphism ? Explain different types of polymorphism and how it can be achieved in C++ program ? **OR**
What is static member in class ? Explain their use with suitable program.