d. Hierarchical

c. Multi-level



a. Distributed

b. Multiple

B.C.A. (Part-II) (Semester-IV) (CBCS)

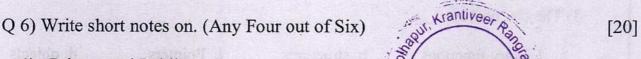
Examination March/April, held in May, 2023.

Object Oriented Programming Using C++

Subject Code: 80870

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Day and Date: Wednesday 31/05/2023	Total Marks: 70
Time: 10.30 a.m. to 01.30 p.m.	
	re compulsory and attempt any n Que. No. 2 to Que. No. 5
2. Figures to the right	indicate marks.
Q 1) a. Multiple Choice Questions.	particular to the second lead of [10]
1) Which of the following operator is a	used to return the address of a variable?
a. * b> c. &	d. None of the above
2) Which of the following operator is	known as Scope Resolution Operator?
a. :: b. ?: c>	d Assertable 1 half (80)
3) The cin, cout are	is more there are again that pain W (a.c.)
a. Library functions b. structur	res c. Pointers d. objects
4) Which of the following header file is	used to define cin, cout?
a. <iomanip.h> b. <iostream.h></iostream.h></iomanip.h>	c. <fstream.h> d. None of the above</fstream.h>
5) C++ language is a	
a. Object Oriented Languageb. Structural Oriented Language	b. Procedural Oriented Languaged. None of the above
6) Which of the following refers to us	sing the existing code instead of rewriting it?
a. Inheritance b. Encapsulatio	n c. Abstraction d. Both A and B
7) Which of the following is not a kin	nd of inheritance?

8) Which of the following statements is correct about the friend function in C++ programming language? a. A friend function is able to access private members of a class b. A friend function can access the private members of a class c. A friend function is able to access the public members of a class d. All of the above 9) Which of the following can be considered as the members that can be inherited but not accessible in any class? a. Public b. Protected c. Private d. Both A and C 10) Which of the following is the original creator of the C++ language? a. Dennis Ritchie b. Ken Thompson c. Bjarne Stroustrup d. Brian Kernighan Q1) b. Short answer questions (Any two out of three). [10] 1) Explain static data member with suitable example? 2) Explain different iterative statements in C++? 3) Explain scope resolution operator in C++. Q2) What is constructor? Explain different types of inheritance with its [10] Syntax and example? Q 3) What is inheritance? Explain different types of inheritance with its syntax [10]and example. Q4) Explain function overloading with suitable example



- 1) Private and Public
- 2) Characteristics of OOP

suitable example.

- 3) Virtual Function
- 4) Friend Function
- 5) Cin & Cout
- 6) File opening modes



[10]

[10]

Q5) What is polymorphism? Explain runtime polymorphism with