2019

BCA

4th Semester Examination Object Oriented Programming Using C++

Paper - 2201

Full Marks - 70

Time: 3 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer Question No. 1 and any four from the rest.

- 1. Answer any five questions:
 - (a) What is abstract data type?
 - (b) Define Encapsulation.
 - (c) What is the need of arrow operator?
 - (d) What is pure virtual function?
 - (e) What do you mean by early binding & late binding?
 - (f) Differentiate between class & structure.
 - (g) What is 'new' operator?

P.T.O.

2×5

2.	(a)	Differentiate between function over and function templates? Can we over function template? Illustrate with example the control of the control	erload a
	(b)	Write a C++ program to illustrate r inheritance?	nultiple 6
3.	(a)	What is Inheritance? Explain the visbase class members for the access sprivate, protected and public while of the derived class.	pecifier
	(b)	Explain the use of ifstream & ofstream for file input and output.	classes 4+4
4.	(a)	Define exception handling. Explain to of try, catch and throw for exchandling in C++.	
	(b)	Write a C++ program to illustrate cate exceptions.	hing all 7
5.	(a)	What do you mean by constructor are the charactaristice of a constructor	
	(b)	What is perametarized constructor mandatory to use constructor in a cla	? Is it
	(c)	Explain copy constructor with example	э. 6
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	5	
(c) How is a member function of a defined?	class 4	
7. Write short notes (any three):	5×3	
(a) Polymorphism		
(b) Scope resolution operator		
(c) Standard template library		
(d) Virtual base class		
[Internal Assessment – 30 marks]		
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What are the benefits of OOP? Distinguish

What are the different kinds of storage class specifiers supported by C++? Define them.

3+3

between class and object.

6.

(a)

(b)