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EXAMINATION: MAY- 2024

SEMESTER – IISub: Object Oriented Programming Using C++

(BCA242-18/BCA242-20/ BCA23-201/BCAC23-201/BCA-CS242-20)

Date: 24/05/2024		/05/2024 Total Mark	s: 60 Tir	Time: 10.00 am To 12.30 pm
		 Instructions: All questions are compulsory unless and or Bold figures to the right of every question of Candidates are advised to attempt question Answers written illegibly are likely to be m Use of scientific calculators, Log tables, M Draw neat and labelled diagrams whereve 	are the maximum marks for tha as in order. arked zero. follier Charts is allowed.	t question.
Q.1		Fill in the blanks.		(5)
V. 1	1.	a::a() is called as		(6)
	1.	a) copy constructor	b) overload	
		c) default constructor	d) override	
	2.	Object are instances of	d) override	
	۷.	a) pointer	b) class	
		c) program	d) function	
	3.	ios::ate is used seek to	<i>a)</i> 10.1001011	
	٠.	a) end of file	b) write into file	
		c) read a file	d) append a file	
	4.	A class which inherit the attributes of two or n		
		a) multilevel inheritance	b) single	
		c) multiple inheritance	d) none of these	
	5.			
		a) tellp()	b) seekp()	
		c) seekg()	d) tellg()	
Q.2.		State True/False.		(5)
	1.	Cin and cout are not objects.		
	2.	Constructor can be overloaded.		
	3.	By default visibility mode in inheritance is pub	olic.	
	4. 5.	Inline expansion makes a program slowly. Classes are basic runtime entity.		
	٥.	Classes are basic runtime entity.		
Q.3.		Answer the following. (Solve any 5)		(10)
•	1.	Give difference between C and C++		` '
	2.	What is protected access specifier?		
	3.	What is early binding and late binding?		
	4.	What is pure virtual function?		
	5.	What is meant by stream?		
	6.	What are manipulators in c++		
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Q. 4. Answer the following in detail. (Solve any 6)

(30)

- 1. What is inline function? Explain with example.
- 2. Explain with example how friend function is important in c++
- 3. What do you mean by exception handling? Write a program to show how it is achieved in c++
- 4. Explain 'this' pointer.
- 5. What is default argument? Give proper example.
- 6. Give proper example how member function accessed outside class.
- 7. Explain types of polymorphism briefly. Write down roles of polymorphism. How can we achieve dynamic polymorphism briefly? Explain with example.

Q. 5. Answer the following in detail. (Solve any 1)

(10)

- 1. What is constructor? Explain any two type of constructor with example
- 2. Explain object oriented concept in C++.