CS/CB

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EXAMINATION: JUNE - 2022

SEMESTER – II/III

Sub: Object Oriented Programming Using C++ (BCA -331/341/ 242-18/242-20/BCA-CS-242-20)

Date: 22/06/2022		/06/2022	Total Marks: 60	Time: 2.00 pm to 4.30 pm
	Ins	tructions:		
		Candidates are advised to at Answers written illegibly are	very question are the maximum tempt questions in order. likely to be marked zero. Log tables, Mollier Charts is a	
Q.1.	Fil	l in the blanks.		(5)
	1.	1. The properties of one class are inherited by more than one class, it is called		
		a) Multiple inheritance c) Hierarchical inheritance	b) Single inher d) Multiple inl	
	2.	The function all class. a) Function overloading c) Call by value	owed to have access to the b) Friend d) Inline funct	•
	3.	The to add new p a) Default Argument c) Inline	parameters to existing function. b) Function ov d) Function ov	9
		another object.a) Overloadedc) Parameterized	b) Copy d) Default	itialize an object from
	5.	New and delete are used to a) Static c) Dynamic	manage allocation. b) Stack d) None of the	se
Q.2.	State True/False.			(5)
	1.	Objects communicate with each other through function.		
	2.	Class is a collection of objects of dissimilar type.		
	3.	A function can be overloaded by any number of types.		
	4.	Constructor should declare in private section.		
	5.	The tellg() function takes no argument		
	٦.	The telig() function taxes no	argument	

Q.3. Answer the following. (Solve any 5)

(10)

- 1. Give features of object oriented programming.
- 2. What is file?
- 3. Give difference between C and C++
- 4. What is pure virtual function?
- 5. What is destructor?
- 6. Give Characteristics of constructor.

Q. 4. Answer the following in detail. (Solve any 6)

(30)

- 1. What is friend function? Explain with example
- 2. Explain "Access Specifiers" in details?
- 3. What are streams? What are the stream classes? Explain its hierarchy?
- 4. What is inline function with proper example?
- 5. Explain function overloading with proper example.
- 6. What is exception? Explain throw, try and catch with example.
- 7. Explain 'this' pointer with example.

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

(10)

- 1. Explain object oriented programming concept.
- 2. What is Inheritance? Explain any two types of inheritance.