Subj	ect	Coc	le:	ACS	BS	302
150 E.			Contract of the Contract of th	10.		

Roll No:

2000 (1000) (1000)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SALE OF THE PARTY	Mary Com
	STATE OF THE PARTY	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200 0
		ACCOUNTS NOT THE REAL PROPERTY.	100

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute)

Affiliated to Dr. A.P. J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

Course B. Tech Branch CSBS

Semester: III

Sessional Examination: - III

Year- (2021 - 2022)

Subject Name: OBJECT ORIENTED PROGRAMMING

Time: 1.15Hours

[SET-B]

Max. Marks:30

General Instructions:

- > This Question paper consists of 2 pages & 5 questions. It comprises of three Sections, A, B, and C
- ➤ <u>Section A</u> Question No-1 is objective type questions carrying 1 mark each, Question No-2 is very short answer type carrying 2 mark each. You are expected to answer them as directed.
- ➤ <u>Section B</u> · Question No-3 is Short answer type questions carrying 5 marks each. Attempt any two out of three questions given.
- ➤ Section C Question No. 4 & 5 are Long answer type (within unit choice) questions carrying 6marks each. Attempt any one part <u>a or b.</u>
 - Program must be written in C++

N	X	SECTION – A	[08Marks]	5.7
1.	All	questions are compulsory	(4×1=4)	
	a.	Which of the following operator can be overloaded? 1. += 2. ::	(1)	CO4
		3. sizeof() 4. ?:		
	b.	In class diagram, protected access mode is represented by 1. + 2 3. # 4. protected	(1)	CO5
	c.	Identify the append file opening mode 1. ios::app 2. ios::modify 3. ios::update 4. ios::ate	(1)	CO5
	d.	Which keyword is used to throw an exception? 1. try 2. throws 3. throw 4. catch	(1)	CO4
2.	All	I questions are compulsory	(2×2=4)	
	a.	Explain the function of setfill() and setprecision() manipulator.	(2)	CO5

No.	b.	Define actor and draw its symbol.	(2)	CO5
		SECTION - B	[10Marks]	
3.	An	swer any two of the following-	$(2 \times 5 = 10)$	
	a.	Write a program to implement insertion sort using class template.	(5)	CO4
	b.	Write a program to store factorial of a number in a file	(5)	COS
	c.	Explain the importance of virtual function with the help of a program	(5)	CO4
1		SECTION - C	[12Marks]	
4	An	swer any one of the following-	(1×6=6)	
	a.	What is the difference between function template and class template? And write a program to implement function template.	(6)	CO4
	b.	What is Class diagram and Activity diagram? Draw class diagram for multiple level inheritance.	(6)	CO
5.	An	swer any one of the following-	(1×6=6)	
·	a.	What is file mode? Describe the various file mode options vailable.	(6)	CO
1	a.	What is the mode: Describe the various and		
-	b.	What do you mean by operator overloading? Write a program o create a class complex	(6)	CO
		and overload * operator to add two complex numbers. And test the result.		
		CO	c _O),	
		(O)	c _O)	
		(O. CO)	c _O	
V	9		co)	
V	2		co),	
	9			
	2		co)	
	2		co)	
	2			
	2			
	2			
	2			
	9			
	2			