NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY ,GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

B.Tech (CSE)

(SEM: 3rd SESSIONAL EXAMINATION –I)(2021-2022)

Subject Name: Object Oriented Techniques Using Java

Time: 1.15Hours   [SET-B]   Max. Marks: 30

General Instructions:

- All questions are compulsory. Answers should be brief and to the point.
- This Question paper consists of ....pages & ...5........questions.
- It comprises of three Sections, A, B, and C. You are to attempt all the sections.
- Section A -Question No- 1 is objective type questions carrying 1 mark each, Question No- 2 is very short Answer type carrying 2 marks each. You are expected to answer them as directed.
- Section B - Question No-3 is Short answer type questions carrying 5 marks each. You need to attempt any two out of three questions given.
- Section C -Question No. 4 & 5are Long answer type (within unit choice) questions carrying 6marks Each. You need to attempt any one part or b.
- Students are instructed to cross the blank sheets before handing over the answer sheet to the invigilator.
- No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.
- Blooms Level: K1:Remember, K2:Understand, K3:Apply, K4:Analyze, K5:Evaluate, K6:Create

		SECTION – A	[8]	CO
1.		Attempt all parts	(4×1=4)	CO
	a.	Which of the following is not an OOPS concept?	(1)	CO1
		i. Encapsulation		
		ii.Polymorphism		
		iii.Exception		
		iv. Abstraction		
	b.	Which feature of OOPS described the reusability of code?	(1)	CO1
		i. Abstraction		
		ii. Encapsulation		
		iii. Polymorphism		
		iv. Inheritance		
	c.	Which feature of OOPS derives the class from another class?	(1)	CO1
		i. Inheritance		
		ii. Data hiding		
		iii. Encapsulation		

		iv. Polymorphism		
	d.	What is the output for the following code: System.out.println ("Hello World");	(1)	CO1
		i. Shows error		
		ii. "Hello World"		
		iii. None of the above		
		iv. None of the above		
2.		**Attempt all parts**	(2×2=4)	CO
	a.	State some of object oriented technique strategies.	(2)	CO1
	b.	Define Encapsulation with an example.	(2)	CO1

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SECTION – B

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3.		Answer any **two** of the following-	[2×5=10]	CO
	a.	Draw the class diagram of Online Shopping System.	(5)	CO1
	b.	Discuss Inheritance and polymorphism with Example.	(5)	CO1
	c.	Differentiate between Break and Continue statement.	(5)	CO1

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SECTION – C

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4		Answer any **one** of the following-(Any one can be applicative if applicable)	[2×6=12]	CO
	a.	Question-	(6)	
		Describe Constructor with suitable example.		CO1
	b.	Question-	(6)	
		Differentiate between For loop, while loop and Do while loop.		CO1
5.		Answer any **one** of the following-		
	a.	Describe Object Diagram with suitable example.	(6)	CO1
	b.	Define if-else-if ladder with short program.	(6)	CO1