

**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**

(An Autonomous Institute Affiliated to AKTU, Lucknow)

Course B. Tech Branch CSE

Semester 3<sup>rd</sup> Sessional Examination 2<sup>nd</sup> Year- (2021 - 2022)

Subject Name: OBJECT ORIENTED TECHNIQUES USING JAVA

**[SET-B]**

Time: 1.15Hours

Max. Marks:30

**General Instructions:**

- This Question paper consists of .....pages & .....questions. It comprises of three Sections, A, B, and C
- Section A - 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.
- Section B - 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 6 marks each. Attempt any one part a or b.

<b><u>SECTION – A</u></b>			<b>[8]</b>	
1.	Attempt all parts.		(4×1=4)	CO
a.	Which among the following is called first, automatically, whenever an object is created? a) Class b) Constructor c) New d) Trigger		(1)	CO2
b.	Which among the following is not true for polymorphism? a) It is feature of OOP b) Ease in readability of program c) Helps in redefining the same functionality d) Increases overhead of function definition always		(1)	CO2
c.	Which of this keyword must be used to inherit a class? a) super b) this c) extends d) implements		(1)	CO2
d.	What does SAM stand for in the context of Functional Interface? a) Single Ambivalue Method b) Single Abstract Method c) Simple Active Markup d) Simple Abstract Markup		(1)	CO2
2.	Attempt all parts.		(2×2=4)	CO
a.	Differentiate between constructor and method.		(2)	CO2

	b.	Explain Functional Interface.	(2)	CO2
<b>SECTION – B</b>				
3.	Answer any <u>two</u> of the following-		[2×5=10]	CO
	a.	What is the similarity and difference between abstract class and interface in Java?	(5)	CO2
	b.	What do you mean by Lambda Expressions in java?	(5)	CO2
	c.	What are the main uses of Super keyword? Write a Java program for Super keyword?	(5)	CO2
<b>SECTION – C</b>				
4	Answer any <u>one</u> of the following-(Any one can be applicative if applicable)		[2×6=12]	CO
	a.	Explain Interface, how interface can be used to achieve multiple inheritance?	(6)	CO2
	b.	Summarize Inheritance and types of inheritance with examples.	(6)	CO2
5.	Answer any <u>one</u> of the following-			
	a.	Explain “this” keyword along with uses and examples.	(6)	CO2
	b.	Explain array with suitable example.	(6)	CO2