Name: Student University Roll No.:	Printed Pages: 1
School of Engineering First Sessional Examination, Odd Semester (AS: 2023-24) B. Tech: CSE [Year: 2] [Semester:3rd]	
Course Title: Object Oriented Analysis and Design (Using UML) Course Code: BCS 3302	Max Marks: 30 Time: 1.00 Hrs

Instructions if any:

	SECTION 'A' Q.N.1. Attempt all parts of the following:	Course Objective	Marks
a)	What do you mean by metadata?	CO1	1
b)	Explain the term class in brief.	CO3	1
c)	- - - - -> What does this notation mean in UML?	CO1	1
d)	Explain generalization with example.	CO1	1
e)	What is multiplicity?	CO2	1
	SECTION 'B' Q.N.2. Attempt any two parts of the following:	Course Objective	Marks
a)	Why do we need model and explain its importance?	CO2	7.5
b)	What do you mean by Things? Also explain types of Things?	CO2	7.5
c)	Explain architecture of UML.	CO2	7.5
d)	What do you mean by Relationship? Also explain types of Relationship.	CO2	7.5
	SECTION 'C' Q.N.3. Attempt any one parts of the following:	Course Objective	Marks
a)	Write a short note on Object Oriented Software Life Cycle.	CO2	10
b)	What is Advanced class? Explain the concept of visibility, scope, attributes and operation.	CO3	10
c)	What do you mean class diagram? Draw a class diagram for library management system.	CO3	10

***Table 1:** Mapping between COs and questions*
(Number of COs may vary from course to course)

COs	Questions Numbers	Total Marks
CO1	1(a, c, d)	3
CO2	1(e),2(a ,b ,c ,d),3(a)	41
CO3	1(b),3(b ,c)	21