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| Student University Roll No.: [redacted] | Printed Pages: 1 |

**School of Engineering**

**First Sessional Examination, Odd Semester (AS: 2021-22)**

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| B. Tech: CSE Year: 2ND | Semester: 3rd |
| Course Title: OOAD<br>Course Code: BCS 3302 | Max Marks: 30<br>Time: 1 *hrs* |

*Instructions if any:*

| | SECTION 'A'<br>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'<br>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'<br>Q.N.3. Attempt any one part 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 |

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|---|---|
| c) | Explain the conceptual model of UML. |

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

| COs | Questions Numbers | Tota |
|---|---|---|
| CO1 | 1(a,c,d), | |
| CO2 | 1(e),2(a,b,c,d),3(a) | |
| CO3 | 1(b),3(b,c) | |