Roll No										

PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - MAY 2023

Semester : Semester IV - B.Tech CSE - 2021　　　　　**Date :** 23-MAY-2023
Course Code : CSE3082　　　　　　　　　　　　　　　**Time :** 2.00 PM - 3.30 PM
Course Name : Sem IV - CSE3082 - Object Oriented Analysis and Design　　**Max Marks :** 50
Program : B.Tech. Computer Science and Engineering　　**Weightage :** 25%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS　　　　　　　　　(5 X 2 = 10M)

1. Define CRC cards.

   (CO1) [Knowledge]

2. List the tools needed to extract the information about a software product to be developed.

   (CO2) [Knowledge]

3. What are the three perspectives to apply UML?

   (CO1) [Knowledge]

4. List the Difference between Validation and Verification in Software Testing

   (CO2) [Knowledge]

5. List the patterns to identify the candidate class using Common Class Pattern approach.

   (CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS　　　　　　　　　(5 X 4 = 20M)

6. Illustrate in detail about the concept of Inheritance and its types with examples

   (CO1) [Comprehension]

7. Discuss in detail the different views of object-oriented design using Booch Methodology.

   (CO1) [Comprehension]

8. Illustrate the design of Object Oriented System Development approach with phases.

(CO1) [Comprehension]

9. Assume you are a software engineer tasked with developing a new e-commerce platform for a retail company. Describe how you would approach the Object-Oriented Analysis (OOA) phase of the Unified Approach to software development."

(CO2) [Comprehension]

10. Suresh is the internship student who is doing job in the software company called MICRA at Chennai. The instructor has given assignment to identify his knowledge in the software designing. He need to find the pattern for identifying the candidate class and object in the given project. The following task are assigned to Suresh with related to this case assignment.
  a) He needs to apply the different pattern techniques for the selected applications.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS   (2 X 10 = 20M)

11. A store wants to automate its inventory. It has point-of-sale terminals that can record all of the items and quantities that a customer purchases. Another terminal is also available for the customer service desk to handle returns. It has a similar terminal in the loading dock to handle arriving shipments from suppliers. The meat department and produce department have terminals to enter losses/discounts due to spoilage.   A). Apply noun phrase approach to identify nouns and eliminate irrelevant nouns.

(CO2) [Application]

12. John is curious about the processes involved in creating object-oriented software development. His manager will assist him in providing a clear diagram to illustrate the OOSD activities. Explain

(CO1) [Application]