B.Tech. Degree V Semester Supplementary Examination November 2021
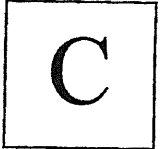
CS 15-1503 OBJECT ORIENTED SOFTWARE ENGINEERING
(2015 Scheme)

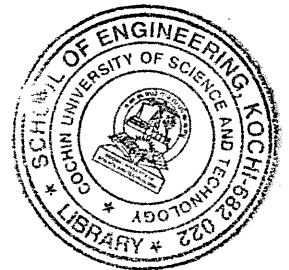Time: 3 Hours   Maximum Marks: 60

PART A
(Answer *ALL* questions)

(10 × 2 = 20)

I. (a) Explain the pros of Agile model and contrast it with iterative waterfall model.
    (b) Explain object model and its various notions.
    (c) Identify the various best practices for UI design.
    (d) Explain any two design heuristics in detail.
    (e) Explain any one white box testing method with examples.
    (f) Explain the need for regression testing.
    (g) Write short notes on ISO 9000.
    (h) What are the various activities and issues with directing?
    (i) Explain when you should use PERT chart and when you should use Gantt chart while you are performing the duties of a project manager.
    (j) Explain any two CASE tools with examples.

PART B

(4 × 10 = 40)

II. (a) Compare and contrast in detail evolutionary model with waterfall model.   (7)
     (b) Prepare an SRS for Medical Information System. Make your own assumptions.   (3)

OR

III. (a) Explain the process of object-oriented analysis with UML.   (5)
      (b) Show the object-oriented analysis of a credit card transaction system. Clearly explain your assumptions.   (5)

IV. Justify the statement **"Cohesion should be high and coupling should be low"**. Also distinguish Cohesion and coupling with examples.   (10)

OR

V. Explain design patterns and frameworks with examples.   (10)

VI. (a) Write short notes on Equivalence class partitioning.   (4)
     (b) Explain System testing.   (3)
     (c) Explain CMM key process areas.   (3)

OR

VII. (a) Explain in detail the format of a test plan.   (5)
      (b) Distinguish between reviews and audits.   (5)

VIII. Explain in detail the various organizational structures and activities and the issues in organizing.   (10)

OR

IX. Explain COCOMO model.   (10)

***