Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 20368

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

Fifth/Sixth Semester

Computer Science and Engineering

CS 6502 — OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to Information Technology)

(Regulations 2013)

(Also Common to PTCS 6502 – Object Oriented Analysis and Design for
B.E. (Part-Time) – Fourth Semester – Computer Science and Engineering
Regulations 2014)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define : Object.

2. What is a Unified Process?

3. What is the difference between a Class and an Object?

4. What is an Object Modeling Language?

5. What is meant by Attributes?

6. What is meant by Generalization?

7. List any two features of object based languages.

8. What is the significance of UML?

9. What is meant by OO Testing?

10. Define : Class Testing.

PART B — (5 × 13 = 65 marks)

11. (a)   Explain briefly the elements of Use Case diagram.

Or

(b)   With an example, Explain the need for Activity Diagram.

12. (a) Draw and explain the class diagram for a banking application.

Or

(b) Describe the features of Low Coupling and High Coupling with suitable examples.

13. (a) What is Domain Model Refinement? Explain with suitable examples.

Or

(b) How will you find Conceptual Class hierarchies? Give example.

14. (a) Discuss the relationship between Sequence diagram and Class Diagram.

Or

(b) How will you refine Logical architecture? Give examples.

15. (a) Give a brief note on issues in Object Oriented Testing.

Or

(b) How will you generate source code from design using UML? Illustrate.

PART C — (1 × 15 = 15 marks)

16. (a) What is GUI based Testing? How does it help improving software design? Explain.

Or

(b) How do you see the application of UML diagrams for Iterative Software Development? Explain.

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