Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 41151

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Sixth Semester

Computer Science and Engineering

080230028 — OBJECT ORIENTED SYSTEM DESIGN

(Regulation 2008)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define abstraction and its types.

2. Differentiate Generalization and Inheritance.

3. Draw the example structure of N ary association.

4. What is derived data? Give an example.

5. What is meant by system conception?

6. What is the need of analysis?

7. List out the common architectural styles in design.

8. Define Refactoring.

9. What are the benefits of fine tuning?

10. What is the programming styles used for implementation?

PART B — (5 × 16 = 80 marks)

11. (a) Explain in detail about the themes, evidences and usefulness of object oriented development and modeling.

Or

(b) (i) With a neat sketch of a sample class model and explain it. (8)

(ii) Describe the concept of Generalization and Association.

12. (a) Write about the state modeling with example state diagram for ticket reservation system.

Or

(b) Draw the use case diagram, interaction diagram and activity diagram for library management system.

13. (a) What are the development stages and describe development life cycle.

Or

(b) Explain the following :

(i) Application interaction model.

(ii) Application class model.

14. (a) Enumerate the issues of handling global resources and boundary conditions.

Or

(b) Explain the architecture of the ATM system.

15. (a) How to implement the functionality of realization and generalization association using ATM example?

Or

(b) Explain in detail about object oriented database and its implementation issues.

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