F 3620

(Pages : 2) Reg. No.....4.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2010

Seventh Semester

Branch—Computer Science and Engineering/IT

OBJECT ORIENTED MODELLING AND DESIGN (RT)

(Regular/Supplementary)

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Part A

Each question carries 4 *marks.*

1. What are links and association ? Give an example of a ternary association.
2. What is sample object model ?
3. Discuss the uses of data flow diagrams in object modelling.
4. Compare and contrast object dynamic and functional model.
5. What is concurrency control problem and mention a method to ensure correctness ?
6. Write notes on iterating the analysis.
7. Define physical packaging.
8. Explain briefly the various representations of an object.
9. What are the various views in UML ? Describe.
10. Explain the term "Notations and Models".

(10 × 4 = 40 marks)

Part B

Each question carries 12 *marks.*

11. (a) Discuss in detail about the object oriented modelling concepts with examples. (12 marks)

Or

(b) Discuss the use of generalization in object modelling. How multiple inheritance is handled. (12 marks)

12. (a) Write short notes on :

(i) Events and states. (6 marks)

(ii) Major and minor elements of object model. (6 marks)

Or

Turn over

(b) With neat diagram explain about functional models and also discuss about functions constraints. (12 marks)

13. (a) Describe the various architectural frameworks common in system. (12 marks)

Or

(b) Discuss in detail about analysis in functional modelling. (12 marks)

14. (a) Explain in detail about design of association and the ways of documenting design objects in 00 based design process. How version control is done ? (12 marks)

Or

(b) Explain in detail about :

(i) Object design algorithm with example. (6 marks)

(ii) Implementation of control. (6 marks)

15. (a) Discuss the notations and models used in Booch's methodology. Explain the advantage. (8 marks)

Discuss the difference between Booch and Jacobson methodology. (4 marks)

Or

(b) Explain in detail analysis model and design model with neat diagram. (12 marks)

[5 × 12 = 60 marks]