

G 738

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2014

Seventh Semester

Branch : Computer Science and Engineering

CS 010 704—OBJECT ORIENTED MODELLING AND DESIGN (CS)

(Improvement/Supplementary)

[2010 Admissions]



Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. What is inheritance ?
2. What is concurrency ?
3. How operations added during analysis ?
4. Why design optimisation is necessary in object design ?
5. What is a sequence diagram ?

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. What are multiple inheritance ? Explain with examples.
7. What are constraints in functional modelling ?
8. Explain on handling of global resources in detail.
9. What is meant by design of association ?
10. Explain the significance of component diagram.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Discuss object oriented methodology in detail.

Or

12. Give a brief description on aggregation and abstract classes.

Turn over

13. With examples discuss events, states and nested state diagrams in dynamic modelling.

Or

14. Explain in detail a sample functional model.

15. Discuss the analysis in dynamic modelling in detail.

Or

16. What are the techniques adopted for breaking system into subsystems ? Explain with an example.

17. Discuss in detail implementation of control.

Or

18. Briefly explain physical packaging.

19. Explain with figures the representations of UML diagrams.

Or

20. With a case study, explain deployment diagram, state diagram and activity diagram.

(5 × 12 = 60 marks)

