F 9113

(Pages : 2) Reg. No. 3

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2011

Seventh Semester

Branch : Computer Science and Engineering

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 do you mean by object oriented modelling ?
2. What do you mean by metadata ?
3. Briefly explain the operation of evetns and datas.
4. Briefly explain the functions of constraints.
5. What is the need for analysis in object modelling ?
6. What is the need for breaking system into subsystem ?
7. What do you mean by object design ?
8. Define object representation.
9. Explain briefly about Booch's methodology.
10. What are the major advantages of UML ?

(10 × 4 = 40 marks)

Part B

Each question carries 12 *marks.*

11. (a) Discuss in detail about the object oriented methodology and themes with neat diagrams.

Or

(b) Write a short note on the following :—

(i) Aggregation.

(ii) Multiple inheritance.

12. (a) With sketches, explain about advanced modelling concepts. Also discuss about the relationship between object and dyamic models.

Or

(b) What is meant by functional models ? Discuss in detail about data flow diagrams and specifying operations.

Turn over

13. (a) Discuss in detail about dynamic and functional modelling with neat diagrams.

Or

(b) Write short notes on the following :—

(i) Identifying concurrency.

(ii) Handling of global resources.

14. (a) Explain about design algorithms and design optimization with suitable examples.

Or

(b) Discuss in detail about documentation design decisions. Also compare the differe methodologies.

15. (a) With neat diagrams, explain the architecture of Jacobson methodology. Also discuss about i uses.

Or

(b) Write a short note on unified modelling language.

(5 × 12 = 60 mark