G 615

(Pages : 2)

B.TECH. DEGREE EXAMINATION, MAY 2014

Seventh Semester

Branch : Computer Science and Engineering and Information Technology

OBJECT ORIENTED MODELLING AND DESIGN (R T)

(Old Scheme – Prior to 2010 Admissions)

[Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*

Each question carries 4 marks.

1. List and explain object oriented methodologies.

2. What are grouping constructs? Explain.

3. List the operations in dynamic modelling and explain.

4. Discuss the relation of functional modelling to object models.

5. Discuss the steps for analysis in object modelling.

6. How do you handle the problems of global resource sharing?

7. Discuss the overview of object design principles.

8. What is physical packaging in object design? Explain.

9. What are Notations? Explain.

10. Explain the rule of UML.

(10 × 4 = 40 marks)

Part B

Answer **all** *questions.*

Each question carries 12 marks.

11. Explain in detail the object oriented methodologies.

Or

12. With examples, explain the multiple inheritance in advanced object modelling.

Turn over

G 615

13. What are Events and States ? Explain the Nested state diagrams in dynamic modelling.

Or

14. Explain a sample functional model. Bring out a comparison between functional modelling and dynamic modelling.

15. Briefly explain an Iterating process analysis with examples.

Or

16. Give a description of Architectural frameworks in system design.

17. Explain how the three models are combined.

Or

18. Discuss the role of documenting design decisions in object design.

19. Make a comparative study of Broch's methodology and Jacobson methodology.

Or

20. Discuss the mechanisms used in UML.

(5 × 12 = 60 marks)