

FACULTY OF INFORMATICS

B.E. III/IV Year (IT) II Semester (Main) Examination, May/June 2011

OBJECT ORIENTED SYSTEM DEVELOPMENT

Time : 3 Hours]

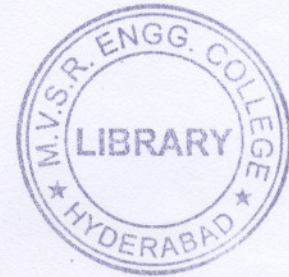
[Max. Marks : 75

Answer all questions from Part A.

Answer any five questions from Part B.

Part A – (Marks : 25)

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|---|---|
| 1. Give the elements of UML. | 3 |
| 2. What are stereotypes and constraints of UML ? | 2 |
| 3. Mention different types of objects in UML. | 2 |
| 4. What is focus of control in sequence diagram? | 2 |
| 5. Define Event and signal. | 2 |
| 6. Mention different parts of State and Transition. | 2 |
| 7. What is forward Engineering and Reverse Engineering? | 2 |
| 8. What are 4P's in software development ? | 2 |
| 9. What is 'Domain Model' ? Explain. | 2 |
| 10. What are core work flows? | 2 |



Part B – (Marks : 5 × 10 = 50)

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| 11. (a) Trace transition from usecase diagrams to collaboration diagrams. | 5 |
| (b) What is state chart diagram ? Explain its contents, uses and common modeling Techniques. | 5 |
| 12. (a) Discuss various relationships in UML with help of examples. | 6 |
| (b) What is a package ? What relationship can exists between packages? | 4 |
| 13. (a) Explain the concepts of “patterns and frame works”. Explain where they are useful. | 6 |
| (b) Explain contents, common uses of stat chart diagrams. | 4 |
| 14. Describe in detail the Unified software development process . | 10 |
| 15. Describe an Architecture-Centre development process. | 10 |
| 16. (a) What is meant by 'Unified Process' explain the detail. | 4 |
| (b) Explain component diagram with an example. | 6 |
| 17. Explain the following : | 10 |
| (a) Structural Modeling | |
| (b) Interaction diagrams | |
| (c) Difference between Iteration and Increment during software development. | |