Code No.: 6353

FACULTY OF ENGINEERING

B.E (III/IV Year) (CSE) II Semester (Main) Examination, June 2010

OBJECT ORIENTED SYSTEMS DEVELOPMENT

Time : 3 Hours] [Max. Marks : 75

Answer **all** *questions from* Part A
Answer any **five** *questions from* Part B

Part A – (25 Marks)

1. List the building blocks of the UML? 3
2. Discuss the relationships in UML? 3
3. Write short notes on use cases? 3
4. Define events and signals? 2
5. List the 5 standard stereotypes applicable to components? 3
6. Define frame works? 2
7. Define unified process? 2
8. List the 4 P's in the software development? 2
9. What are decision tables? 2
10. What is the purpose of design workflow? 3

Part B – (50 Marks)

11. Write notes on classifiers, visibility and scope?
12. With the help of a use case diagram explain the college library system?
13. Discuss about patterns, frameworks and mechanisms?
14. Explain how the unified process is interative and incremental?
15. Describe the requriements workflow in detail?
16. a) Write notes on processes and threads.
    b) Discuss about events and their types.
17. Discuss about the following
    a) Systems and sub-systems
    b) Use case driven process.

Code No. : 3092

FACULTY OF ENGINEERING

B.E. 3/4 (CSE) II Semester (Main) Examination, May/June 2011

OBJECT ORIENTED SYSTEM DEVELOPMENT

Time : 3 Hours] **[Max. Marks : 75**

Note : Answer **all** questions from Part **A**, answer any **five** questions from Part **B**.

PART – A (25 Marks)

1. Why we model ? (2)
2. Write notes on Types and Roles. (3)
3. What are use-cases ? (3)
4. Describe the structures of state chart diagrams. (2)
5. What are Artifacts ? (2)
6. Define Architectural modelling. (2)
7. Define Unified process. (3)
8. What is a use-case driven process ? Discuss. (3)
9. What are work flows ? (2)
10. Describe how the requirements capture is done. (3)

PART – B (50 Marks)

11. Describe the basic structural modelling elements in System Development.
12. Explain about use-case Diagrams and Interaction diagrams with examples.
13. (a) Write note on Deployment diagrams.
    (b) Briefly discuss about systems and models.
14. Explain how the unified process is an Architecture-Centric process.
15. Discuss about the Analysis work flow in detail with suitable example.
16. (a) Explain about patterns and frame works.
    (b) Describe the Unified Software Development process, with a neat diagram.
17. Explain about :
    (a) Events and signals.
    (b) Use case realization.
    (c) Packages.

(This paper contains 1 page) 1,400

Code No. : 5249/M

FACULTY OF ENGINEERING

B.E. 3/4 (CSE) II Semester (Main) Examination, May/June 2012

OBJECT ORIENTED SYSTEM DEVELOPMENT

Time : 3 Hours] [Max. Marks : 75

***Note** : Answer **all** questions from Part – **A**. Answer **any five** questions from Part – **B**.*

PART – A **25 Marks**

1. What are the aims of modeling ? **3**
2. Give the names of different relationships. **2**
3. What are the building blocks of UML ? **2**
4. Describe OCL (Object Constraint Language) with example. **3**
5. Define interface with example. **2**
6. Explain instance with its types. **3**
7. Differentiate between process and thread with example. **3**
8. What do you mean by deferred event ? Explain with example. **2**
9. Name the four Ps. **2**
10. Compare unit testing with integration testing. **3**

PART – B 50 Marks

11. Explain different types of things in UML. 10

12. Discuss advanced relationships. 10

13. What are action states and activity states ? Explain activity diagram with swimlanes. 10

14. Differentiate between state machine and state-chart diagram with examples. 10

15. Explain patterns and frame-works with example. 10

16. What is unified process ? Explain 4 P's with the 3 phases of SDLC. 10

17. Describe the following :

    a) Design. 5

    b) Implementation. 5

Code No. 2396 / N

FACULTY OF ENGINEERING

B.E. 3/4 (CSE) II-Semester (New) (Main) Examination, May 2013

Subject : Object Oriented System Development

Time : 3 Hours **Max. Marks: 75**

Note: Answer all questions of Part - A and answer any five questions from Part-B.

PART – A (25 Marks)

1. What are the building blocks of UML? (2)
2. What is an aggregation relationship between classes? (2)
3. What are extensibility mechanisms? (3)
4. Define component (3)
5. What is modeling? What are the advantages of creating a model? (2)
6. What is domain model? (2)
7. What is core workflow? (2)
8. List the 4P's in unified development process. (3)
9. What are deferred events? Explain with example. (3)
10. Define a classifier. (3)

PART – B (5x10=50 Marks)

11. Discuss detail about advanced relationships. (10)

12. Explain different types of things in UML. (10)

13. Explain patterns and frameworks with example. (10)

14. (a) Explain activity diagram with swim lanes with an example. (6)
    (b) Discuss in detail about packages. (4)

15. Write short notes on the following: (10)
    (a) Use case diagrams
    (b) Interaction diagrams
    (c) Systems and models

16. (a) What are events? Describe different kinds of events. (5)
    (b) What are state machines? Explain the concepts related to state machines with examples. (5)

17. (a) Distinguish between analysis and design model workflows in unified process. (5)
    (b) Discuss the workflow in implementation during the participating workers and their activities. (5)

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Code No. 6355 / M

FACULTY OF ENGINEERING

B.E. 3/4 (CSE) II – Semester (Main) Examination, June 2014

Subject : Object Oriented System Development

Time : 3 hours **Max. Marks : 75**

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.

PART – A (25 Marks)

1	Explain the importance of modeling.	3
2	What do you mean by deferred events? Explain with example.	2
3	Name the phases of unified software development process and explain briefly.	3
4	What is meant by stereotypes? Explain.	3
5	Explain the common uses of a deployment diagrams.	3
6	What is an artifact?	2
7	What are extensibility mechanisms?	3
8	Mention the different kinds of modeling diagrams used.	2
9	What is a business model? Explain.	2
10	Define association class with an example.	2

PART – B (50 Marks)

11	Discuss in detail about the advanced structural modeling.	10
12	a) Explain about the collaboration diagrams and deployment diagrams.	6
	b) Describe about four kinds of relationships in UML.	4
13	a) Explain about interactions, use cases and their representations.	5
	b) Describe component diagrams.	5
14	Write notes on the following :	3+4+3
	a) Patterns and frameworks	
	b) Testing in unified process	
	c) Systems and models	
15	Explain about	10
	a) Modeling the architecture of a system	
	b) Modeling adaptable systems	
16	a) Explain the forward and reverse engineering for a class diagram.	6
	b) How to model static and dynamic types depict with an example?	4
17	a) Distinguish between analysis and design model workflows in unified process.	5
	b) What are the 4P's in the software development? Explain.	5

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