VASAVI COLLEGE OF ENGINEERING *(Autonomous)*, HYDERABAD

B.E. (I.T.) III Year II-Semester Advanced Supplementary Examinations, June/July-2017

Object Oriented System Development

Time: 3 hours   Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

1. What is a Model? Why do you build a Model?
2. List any two structural things.
3. Define Use Case and Actor.
4. State the significance of event and signal.
5. Define an Artifact with a neat labeled diagram.
6. What is a Pattern and how it is different from frame work?
7. What is Unified Process?
8. Name the tasks performed in elaboration.
9. Why is use case modeling useful in analysis?
10. Illustrate the significance of use case modeling.

Part-B (5 × 10 = 50 Marks)
(All bits carry equal marks)

11. a) What are the Principles of modeling? Explain.

    b) Enumerate the steps to model object structures. Illustrate with an object diagram.

12. a) How are forking and joining used in activity diagrams? Give an example.

    b) Draw the Sequence diagram for library management system.

13. a) What is a Deployment diagram? Explain the Deployment diagram with an example.

    b) Enumerate the steps to model an executable release. Illustrate with a UML diagram.

14. a) Explain the Architecture-Centric Process.

    b) How the Unified Process is Iterative and Incremental?

15. a) Describe the work flow Analysis Phase.

    b) Briefly describe the Construction Phase.

16. a) What is meant by a classifier? Discuss how to choose right kind of classifier.

    b) Draw and explain the use case diagram that depict the context of a credit card validation system.

17. Answer any *two* of the following:

    a) Enumerate the steps to model physical data base. Illustrate with an UML diagram.

    b) Discuss about the Inception Phase.

    c) Discuss Use Case driven Process.

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