Gokhale Education Society's

R. H. Sapat College of Engineering, Management Studies & Research, Nashik-422005

Department of Computer Engineering

Question Bank for Software Modeling and Design

Unit I

1. Explain 4+1 Architecture View?

2. What is Extends and Include stereotype in Use Case Diagram? Draw a use case diagram for ATM System?

3. Explain Aggregation, Composition and Generalization with reference to Class Diagram?

4. Discuss Significance of Extends and the includes relation in the Use Case diagram with a suitable example.

5. Elaborate on how Unified process is different from Waterfall model.

6. Explain COMET and phases of COMET.

7. What is the importance of use case in designing?

8. State and explain how UML supports Requirement Modeling with example.

9. Draw Use-Case diagram for student admission system.

10. Draw use case diagram for credit card authentication system.

Unit II

1. Why is class diagram important in Static modeling?

2. Explain generalization with reference too class diagram using suitable class diagram.

3. Describe deployment diagram with example?

4. Create a class diagram for online shopping system. Assume the scope

5. Explain component diagram with one example.

6. How is class diagram different from object diagram?

7. What are degrees of Multiplicity in associate relationships?

8. Describe component based software architecture in brief?

9. Identify the different classes using Noun Phrase approach for the following Problem statement. The bank client must be able to deposit the amount to and withdraw the amount from his/her account using touch screen. Each transaction must be recorded, the client must be able to review all the transactions performed in the account. Record transactions must include date, type, amount, and account balance after the transaction. A client can have two types of account – a checking and a savings account.Access to the ATM account is provided by a PIN code of 4 integer digits from 0 to 9.

10. Explain different elements of deployment diagram.