Module 2

Important Questions

1. Illustrate requirement engineering process with a neat block diagram.

   or

   What is Requirement Engineering, its importance and explain the Tasks involved in it.

2. Describe the steps needed to establish the groundwork for understanding software requirements.

3. Explain the activities and steps involved in Negotiation Software Requirements and validating requirements in detail.

4. Explain requirement elicitation and develop a UML use case diagram for home security function.

5. What is requirement analysis? What are the various analysis rules of thumb?

6. Explain Domain Analysis with suitable diagram.

7. Write the steps of scenario based modeling. Explain each step in brief and Illustrate scenario based modeling with safe home surveillance example.

8. Explain the preliminary use case diagram for safe home automation system.

9. Illustrate the UML models that supplement the use cases.

10. Draw the activity diagram, Swimlane diagram for access camera surveillance via the Internet and explain its functions.

11. Explain about the data modeling concepts.

12. Explain class based modeling and about the associations and dependencies in class based modeling. Also write about the various analysis packages.

13. With an example, describe the Class-Responsibility-Collaborator (CRC) modeling.