CS-8494 Software Engineering

Important 13mark questions

Unit I

1. Discuss about the COCOMO models.

2. Explain the component-based software development model with a neat sketch.

3. Neatly explain the following process models and write their advantages and disadvantages.

     1. Spiral model

     2. Rapid Application Development model

Unit II

1. Explain the software requirement engineering process with neat diagram.

2. What is requirements elicitation? Briefly describe the various activities performed in requirements elicitation phase with an example of a watch system that facilities to set time and alarm.

3. Write the purpose of SRS? List its components. Discuss in detail the components of SRS for functional requirements.

Unit III

1. Explain the cohesion and coupling types with examples.

2. Discuss about User Interface Design of a software with an example and neat sketch.

3. Discuss about the design concepts in a Software Development Process.

Unit IV

1. Describe the various black box and white box testing technique with suitable examples for your explanation.

2. Explain unit testing and integration testing process with an example.

3. Discuss about the various Integration and Debugging strategies followed in software development.

Unit V

1. State and need for Risk management and explain the activities under Risk management.

2. Describe in detail COCOMO model for software cost estimation. Illustrate considering a suitable example.

3. Explain in detail about the risk management in a software development life cycle.