Unit 1 Question bank

1. Design a behavioural model using a use case diagram for a mobile banking application, identifying actors and use cases.
2. How do software process models help in improving the quality and predictability of software projects?
3. What is the significance of the Rapid Application Development (RAD) model in accelerating development timelines?
4. What are the key elements of a requirements specification document?
5. Distinguish between Personal Software Process (PSP) and Team Software Process (TSP), discussing their distinct roles and effectiveness in different project environments
6. Design a behavioural model using a use case diagram for a mobile banking application, identifying actors and use cases.
7. Define a prescriptive process model in software engineering.
8. Discuss the factors that should be considered when choosing between a personal or team process model for a given project.

Unit 2 Question bank

1. Describe the key features of Extreme Programming (XP) and how they enhance software quality.
2. Compare and contrast SCRUM and Extreme Programming (XP) in terms of their approaches to Agile development.
3. Utilize the Crystal methodology to create a project plan for a small software project, emphasizing team size and communication approaches.
4. Describe how SCRUM facilitates team collaboration and project management.
5. Use Crystal methodology to draft a project plan for a small software project, focusing on team size and communication strategies.
6. Evaluate how Agile Modelling (AM) complements other Agile methodologies and enhances modelling practices.
7. Describe the key features of Extreme Programming (XP) and how they enhance software quality.
8. Compare and contrast SCRUM and Extreme Programming (XP) in terms of their approaches to Agile development.
9. Utilize the Crystal methodology to create a project plan for a small software project, emphasizing team size and communication approaches.
10. What are some of the primary benefits of using Agile over traditional models like Waterfall?
11. Explain the DSDM framework and its primary principles.