

SPM IMP QUESTIONS BANK

Assignment No.1

Q.1. Define Project Management and Explain Project management Life Cycle with suitable diagram.

Q.2. Suppose a project was estimated to be 400 KLOC. Calculate the effort and development time for each of the three model i.e., organic, semi-detached & embedded.

Q.3. A project size of 200 KLOC is to be developed. Software development team has average experience on similar type of projects. The project schedule is not very tight. Calculate the Effort, development time, average staff size, and productivity of the project.

Q.4. Write Short Note on: 1) Role of Project Manager 2) Risk Management 3) Product Owner and Scrum Master 4) RoadMap

Q.5. Explain 6 Steps in the Risk Management Process.

Q. 6 Explain Agile project Management Vs Traditional Project Management.

Q.7. Explain different Method of Cost Estimation.

Q.8. Software Configuration management. Why do we need Configuration management?

Assignment No.2

Q.1. Explain Dynamic System Development Method with proper diagram

Q.2. Explain in detail COCOMO with example.

Q.3. Describe sprint in detail with diagram and example.

Q.4. Explain the various steps involved in Agile project Life Cycle.

Q.5. What is Github how it is useful.

Q.6. Why do we need Agile Reports?

Q.7. Short Notes:

- a) Function Point Analysis
- b) Story Points
- c) Wideband Delphi Estimation

Case study

Case study: on User story, Story Point, Product Backlog, Sprint Selected

1. Select any one of the following topic:

Topics:

- Online Shopping
- Online reservation / tourism
- Online Hotel/restaurant
- Online Car booking application
- Streaming applications
- Social Media Applications

Represent /Write the following things in your case study:

- ✓ Assume Project size is 200 KLOC and the type of the project is Organic Calculate efforts required and development time required to

complete the project. Also discuss the average product size and productivity required for the project.

- ✓ Assume you are product owner and agile team member
- ✓ Write 10 to 15 user stories of selected topic
- ✓ Decide the Product backlog for the user stories
- ✓ Calculate the story points using any of story point technique. (you can have meeting among your friends for this task)
- ✓ Plan for sprint

Note: Represent suitable diagram, charts, tables, etc wherever necessary
Solve this case study on paper also prepare ppt of it for Case study
Presentation.