

SOFTWARE PROJECT MANAGEMENT

QUESTION BANK

Section A

- Q1. What do mean by Project? Differentiate SP with other types of Projects.
- Q2. What are the activities covered by Software Project Management?
- Q3. What is the difference between Project and Activity?
- Q4. How can we categorize Software Projects?
- Q5. How can we identify the activity risk?
- Q6. What is the difference between Efforts and Elapsed time?
- Q7. Explain the following briefly
- a) Management Control
 - b) Requirement Specifications
- Q8. Give a brief description of project planning activities.
- Q9. What does the software planning activity start and end in software life cycle.
- Q10. Differentiate between Requirements and Design.

Section B

- Q1. What is the difference between Function point analysis and Prototyping?
- Q2. Differentiate between Cost benefit analysis and cash flow forecasting?
- Q3. Explain Water fall model with its drawbacks.
- Q4. Explain V-process and Spiral model with its merits and demerits.
- Q5. Describe Risk Management. How is it identified, analysed, managed and reduced?
- Q6. What is the Network planning model?
- Q7. What are the objectives of activity planning?
- Q8. Draw the activity network and calculate spam and float for

| Activity | Description | Duration(week) | Precedents |
|----------|-----------------------|----------------|------------|
| A | Hardware Selection | 6 | ----- |
| B | Software Design | 4 | ----- |
| C | Install Hardware | 3 | A |
| D | Code & Test software | 4 | B |
| E | File Takeon | 3 | B |
| F | Write user manuals | 10 | ----- |
| G | User Trainings | 3 | E,F |
| H | Install & Test System | 2 | C,D |

Using forward and backward pass?

Q9. Describe Albrecht function point analysis.

Q10. Difference between Waterfall model and Spiral model.

Section C

Q1. What is the nature of resources and how can we identify the resource requirements?

Q2. What is the earned value analysis?

Q3. Describe the following:

- a) Cost scheduling
- b) Resource scheduling

Q4. What is contract? Explain the stages of Contract.

Q5. What is monitoring the control? Describe cost monitoring also.

Q6. Describe Contract management.

Q7. How can we create the framework for monitoring the control?

Q8. Describe following:

- a) Placement
- b) Acceptance

Q9. Explain different charts in visualizing progress.

Q10. Consider the situation where you are a manager of a software company. How you will prove leadership in the company?

Section D

Q1. Define S/W quality.

Q2. What is the place of S/W in project planning?

Q3. Discuss product versus project quality management.

Q4. Describe briefly various techniques to enhance s/w quality.

Q5. What is ISO 9126?

Q6. Describe the importance of software quality.

Q7. How can we measure the software quality?

Q8. Describe the responsibility of a software manager.

Q9. Explain Organizational Structure. How you can improve the quality of a software project using good leadership.

Q10. Explain project reporting structure and how can the reports be categorized?