

# **Software Project Management**

## **Question Bank**

### SECTION A

Q1. Discuss the various types of software projects.

Q.2 Focus on different project team structure.

Q.3 What does the software planning activity start and end in software life cycle

Q.4 Explain the drawback of water fall model .Also discuss spiral model with its merits and demerits

Q.5 What are backward and forward pass.

Q.6.Explain network planning model with its merits and demerits.

Q.7 What do you understand by ‘earned Value Analysis ‘?

Discuss the following

(a) Cost Variance(CV)

(b) Schedule performance Index(SPI)

Q.8 Explain Organizational Structure .How you can improve the quality of a software project using good leadership.

Q.9 What are the different parameter for measuring the quality of software project

Q.10 Explain the different techniques for enhancing the quality of software project

### SECTION B

Q.1 Explain some important activities that a software project manager performs during software project planning

Q.2 Write a short note on the following

(a) Contract

(b)Risk Analysis

Q.3 What are the critical path Explain

- Q.4 Describe Earned value analysis
- Q.5 Describe Resource allocation activity
- Q.6 What is the software quality How it is important for a software project
- Q.7 Differentiate between product and process quality management.
- Q.8 How are the software project is different from other project.Describe the various phases of software project life cycle.
- Q.9 Explain Hazard analysis and identification
- Q.10 6What are the effects of shortening project duration?
- Q.1 Explain Cost Value Analysis in details.
- Q.2 Define Spiral Model in detail.
- Q.3 Define rapid application development in details
- Q.4 Describe the contents list of project plan
- Q.5Short note on:
- (i)Gantt Charts
- (ii)Project Breakdown Structure
- Q.6 Differentiate between risk planning, risk avoidance,risk reduction,risk acceptance
- Q.7 define software quality.how ISO 9126 helps in achieveing it.
- Q.8 Differentiate between product and process quality management.
- Q.9 Define contract and Contract management
- Q.10 Define the term stackholder.Who are the possible stackholders in a software project and what can be their interests

## SECTION C

- Q.1 Describe and discuss any software project management software you have studied
- Q.2 What do you understand by the term quality.Define the software quality and its importance
- Q.3 Define different types of contracts,its stages and different terms in it
- Q.4What do you mean by resource allocations .discuss the nature of resource and requirements.
- Q.5 What do you understand by software project estimation?discuss various techniques use for software project estimation.

Q.6 How are the software project is different from other project.Describe the various phases of software project life cycle.

Q.7 Write a short note on:

(i)ISO 9126

(ii)project2000or any other SPM software

Q.8 Explain the concept of work flow?describe major workflows involved in software development

Q.9 Describe function point Analysis

Q.10 How network chart help in scheduling a project.What is critical path

#### SECTION D

Q.1 What is the software requirement specification.Describefollowing aspects of requirement specification:Traceability,Unambiguous.

Q.2 Describe the role of the following in the successful completion of a project

(a)Change Control

(b)Reviews

Q.3 Explain in detail about cost benefit evaluation techniques and its methods

Q.4 Explain Risk Evaluation in detail

Q.5 Write short notes on cost-benefit analysis and cash flow forecasting?

Q.6 Identify major risks of payroll projects, and rank them according to their importances

Q.7 Define project. How does software project differs from other project?

Q.8 . What are the effects of shortening project duration?

Q.9 Explain Hazard analysis and identification

Q.10 . Explain Visualizing progress in detail with example

ASSIGNMENT ISSUE DATE	ASSIGNMENT SUBMISSION DATE	ASSIGNMENT CHECK/DISCUSSION DATE
Oct. 22, 12	Oct. 27, 12	Oct. 30, 12

Q.1 Explain different motivation technique.

Q.2 Explain the concept of Leadership in detail.

Q.3 Discuss about Oldham and Hackman job characteristics

Q.4 . Explain Decision making in detail.

Q.5 List out the activities covered by software project management and explain with diagram.

Q.6 What are the effects of shortening project duration?

Q.7 Draw the activity network and explain its steps. (FB, BB and critical Path)

	ACTIVITY	DURATION(WEEKS)	PRECEDENTS
A	HARDWARE SELECTON	6	-
B	SOFTWARE DESIGN	4	-
C	INSTANT HARDWARE	3	A
D	TEST SOFTWARE	4	B
E	FILE TAKE-ON	3	B
F	WRITE USER MANUALS	10	-
G	USER TRAINING	3	E,F
H	INSTALL AND TEST	2	C,D

Q.8 Identify major risks of payroll projects, and rank them according to their importance.

Q.9 Define External standards and also techniques to help enhance software

Q10. Define Albrecht function point analysis.

### MIXED QUESTIONS

- Q.1 Explain in detail about cost benefit evaluation techniques and its methods
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- Q.6 define software quality.how ISO 9126 helps in achieveing it.
- Q.7 What are the different parameter for measuring the quality of software project
- Q.8 Explain the different techniques for enhancing the quality of software project
- Q.9 Explain Hazard analysis and identification
- Q.10 . Explain Visualizing progress in detail with example