



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**

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QUESTION BANK (DESCRIPTIVE)

**Subject with Code: Software Project Management
(16CS534)**

Course & Branch: B.Tech - ECE

Regulation: R16

Year & Sem: IV-B.Tech & I-Sem

**UNIT –I
PROJECT EVALUATION AND PROJECT PLANNING**

1	What is the importance of software project management and explain different activities methodologies, setting objectives covered by software project management?	[L2][CO1]	[12M]
2	Design the Software Development Life Cycle in project management?	[L6][CO1]	[12M]
3	Explain the following: a) Categorization of software projects b) Setting objectives in software projects	[L2][CO1] [L2][CO1]	[6M] [6M]
4	Define management. Explain project management principles along with management control life cycle?	[L1][CO1]	[12M]
5	Illustrate Project Portfolio Management in brief with suitable examples.	[L2][CO1]	[12M]
6	Identify the different types of cost benefit evaluation techniques with suitable examples?	[L3][CO1]	[12M]
7	Outline the Evaluation of the Risk Process in detail.	[L3][CO1]	[12M]
8	Explain strategic program management with simple example.	[L2][CO1]	[12M]
9	Construct Stepwise project planning with a neat diagram.	[L3][CO1]	[12M]
10	Analyze the following terms: a) Activities & methodologies b) Management control	[L4][CO1] [L4][CO1]	[6M] [6M]

UNIT –II
PROJECT LIFE CYCLE AND EFFORT ESTIMATION

1	List out the different Software process models? Explain with a neat diagram the various stages involved in the waterfall model?	[L2][CO2]	[12M]
2	Demonstrate the following process models a. The Spiral Model b. Rapid Application Development	[L2][CO2] [L2][CO2]	[6 M] [6 M]
3	Explain various approaches involved in Agile Methods of process model.	[L2][CO2]	[12M]
4	Distinguish between incremental delivery Plan model and iterative process model.	[L4][CO2]	[12M]
5	Illustrate software prototyping and explain it in detail with suitable examples.	[L3][CO2]	[12M]
6	Discuss with a neat diagram macro and micro processes that you observed in managing iterative processes in SRUM.	[L6][CO2]	[12M]
7	Describe various software effort and cost estimation techniques including examples.	[L3][CO2]	[12M]
8	Compare bottom-up and top-down approaches in software effort estimation?	[L5][CO2]	[12M]
9	Outline the COSMIC full function point can be explore based on effort estimation techniques.	[L3][CO2]	[12M]
10	Distinguish between Norden's work and Putnam's work results in staffing pattern.	[L4][CO2]	[12M]

UNIT –III
ACTIVITY PLANNING AND RISK MANAGEMENT

1	List out the objectives of activity planning. Draw with a neat sketch of Sequencing and scheduling.	[L4][CO3]	[12M]
2	Compare different activity based approaches involved in Activity Planning.	[L4][CO3]	[12M]
3	Define critical path method. Evaluate the critical path based on forward pass and backward pass techniques.	[L1][CO3]	[12M]
4	Explain in brief a framework for dealing with risk.	[L2][CO3]	[12M]
5	Summarize the following: a. Risk Identification b. Risk Assessment	[L2][CO3] [L2][CO3]	[6M] [6M]
6	Design Two Network Planning models in Activity Planning with examples.	[L6][CO3]	[12M]
7	Explain about the PERT technique and list out the advantages & disadvantages observed in PERT Technique .	[L2][CO3]	[12M]
8	List out seven categories of the nature of resources. How can you identify resource requirements in producing a project.	[L4][CO3]	[12M]
9	Identify various activities involved in creating critical paths or critical patterns.	[L2][CO3]	[12M]
10	Explain the impact of Cost scheduling project monitoring in detail.	[L5][CO3]	[12M]

UNIT –IV
PROJECT MANAGEMENT AND CONTROL

1	Develop the Creation of Framework for Project Management and Control.	[L3][CO4]	[12M]
2	Demonstrate the Collection of Data Project Termination with suitable examples.	[L2][CO4]	[12M]
3	Distinguish between the following terms i) Review ii) Project Termination Review	[L4][CO4] [L4][CO4]	[6M] [6 M]
4	Illustrate the visualizing progress in Project Management and Control.	[L2][CO4]	[12M]
5	Explain the Impact of Cost Monitoring in Project Management and Control.	[L2][CO4]	[12M]
6	Outline the Earned Value Analysis in project management control.	[L2][CO4]	[12M]
7	How Project Monitoring plays an important role in Project management.	[L1][CO4]	[12M]
8	Summarize the following : i) Project Tracking ii) Change Control	[L2][CO4] [L2][CO4]	[6M] [6M]
9	Explain about Software Configuration Management Control in detail.	[L5][CO4]	[12M]
10	Determine the various types of Contracts in contract management explain in detail.	[L5][CO4]	[12M]

UNIT –V
STAFFING IN SOFTWARE PROJECTS

1	How to Manage the People in Software projects explain in detail?	[L1][CO5]	[12M]
2	Explain the organizational Behavior of staffing in software projects.	[L2][CO5]	[12M]
3	List out the methods of Staff Selection among those methods which are best methods explain it.	[L4][CO5]	[12M]
4	Illustrate the Old Hackman Job Characteristic Model in software projects.	[L2][CO5]	[12M]
5	Discuss in brief the Ethical and Programmed concerns in Software Projects.	[L6][CO5]	[12M]
6	Analyze the following i) Stress, Health and safety ii) Motivations	[L4][CO5] [L4][CO5]	[6M] [6M]
7	Evaluate the role of decision making in software projects explain in detail?	[L5][CO5]	[12M]
8	Summarize the following: i) Team Structure ii) Virtual Teams	[L2][CO5] [L2][CO5]	[6M] [6M]
9	Demonstrate the Communication Genres with simple examples.	[L2][CO5]	[12M]
10	Outline the Communication Plan. Write down the results of communication plan in software projects.	[L2][CO5]	[12M]

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