

Unit 1:

1. What is Software Quality? List down different Software Quality Metrics?
2. What are the different activities in project planning? What is error tracking?
3. What are the relative advantages of using either the LOC or the function point metric to measure the size of a software product?
4. What are the types of metrics?
5. What is the purpose of timeline chart?
6. Explain Software metrics used for software cost estimation.
7. Explain project scheduling process and Gantt Chart in detail.
8. Explain how breakdown structure is used in software engineering. Discuss
9. how software project scheduling helps in timely release of a product.
10. The project is scheduled for 10 months for the budget of 1,80,000 Rs. At the end of 7 months project is 60% completed and the cost occurred is 1,50,000/- Rs. till now. Find SV and PV.
11. Planned Rs. 150000 to complete work package. Scheduled to have been finished today. Actual expenditure to date is Rs. 135000. Estimate work is 2/3 complete. What are cost and schedule variances?
12. A \$10,000 software project is scheduled for 4 weeks. At the end of the third week, the project is 50% complete and the actual costs to date is \$9,000.
13. What is COCOMO model for measurement?
14. Explain basic principles of project scheduling.
15. Write a note on relationship between people and effort in terms of project scheduling.
16. The project is scheduled for 11 months for the budget of Rs. 1,70,000. At the end of 9th months project is 70% completed and the cost occurred is 1,30,000 Rs. till now. Find SPI and CPI.
17. What are the different techniques available for project planning and scheduling.
18. What is relationship between human and effort? Explain it with PNR curve.
19. Explain Make/Buy method with example.
20. Define 4 P's of project management. Explain the advantages of Project Management.
21. List Project scheduling Principles. Write detail note on EVA.
22. Explain different activities performed in project management.
23. Explain fishbone diagram with its advantages and disadvantages.
24. Explain different Factors affecting Cost Estimation of project.
25. Consider a database application project where. The application has four screens with four views each and seven data tables for three servers and four clients. Application may generate two reports of six sections each from seven data tables for two servers and three clients. 10% reuse of object points. Developer's experience and capability in similar environment is low. Calculate the object point count, new object point and effort to develop such project.
26. What is Gantt chart? How it is useful in project scheduling.
27. Explain PERT chart in detail.

Unit 3.2

1. Discuss SCRUM as agile software development process model.
2. What is Agility? List down 12 principals of Agile Manifesto.
3. Draw and explain different phases of Agile Process Model.
4. Explain merits and demerits of Scrum.