EASWARI ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

M.E SOFTWARE ENGINEERING

II SEMESTER

QUESTION BANK

SE7201 SOFTWARE PROJECT PLANNING AND MANAGEMENT

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SE7201 Software Project Planning And Management

UNIT 1

BASIC CONCEPTS

PART A

1. What is software project management?

2. What is a project?

3. Define process.

4. List the characteristics of software projects.

5. Define “Big League Model”.

6. List out the key advantages of Prototyping Model.

7. List the levels of software process Model.

8. What are the categories of software projects?

9. What are basic steps involved in building a program?

10. Draw the large scale system approach in water fall model.

11. What are the five improvements available in water fall

12. What are the principles of effective data gathering?

13. What are the objectives of data gathering?

14. What are the steps in data gathering process?

15. Write some data characteristics of software measures.
16. How software defects are categorized?

17. What are the steps involved in data analysis?

18. What are basic principles of software quality management?

19. How the formulae is calculated for availability?

20. What are the classes of quality measures?

21. Write the categories of software defects.

22. What are the principles used in software defect prevention?

23. What are steps involved in software defect prevention?

24. What are the sequential activities in water fall model?

PART B

1. Explain the various phases of Product Development Life Cycle.
2. Give an outline about software process change.
3. Explain about the principles of software defect prevention.
4. Explain about the various projects life cycle models.
5. Explain about the principles of data gathering.
6. Explain about software measures.
7. Explain in detail about data analysis.
8. Explain about estimating software quality.
9. Explain about quality goals and quality plans.
10. Explain about principles of software defect prevention

UNIT II

FORMAT PROCESS MODELS AND THEIR USE

PART A

1. What are the characteristics of a process?

2. What constitutes of an Effective process?

3. Why are the process important?

4. What is the goal of ISO-9001 Model?

5. What is CMM?

6. Write short notes on common Misconception about process.

7. Define key process Area.

8. Differentiate ISO 9001 and CMM model.

9. what is the goal of People CMM.

PART B

1. Compare and explain in detail about two process models.

2. Explain in detail about ISO 9001.

3. Illustrate the concepts of CMM model.

4. Why are the processes important and what constitutes an effective process?

5. Explain in Detail about People CMM.

UNIT III

UMBRELLA ACTIVITIES IN PROJECT

PART A

1. Draw the Deming PDCA cycle for metrics.

2. What are the typical metric Strategy?

3. What are the SMART Criteria?

4. Name the People and organizational issues in metrics pogram.

5. What are the difference between Root Cause and corrective action?

6. Define software quality.

7. How do we minimize defects?

8. Name the Salient Features of Formal Review.

9. List the phases of Risk Management.

10.What are the common tools and Techniques for Risk identification.

11. List the types of activity float?

12. What are the SCM Support functions?

13. What is Risk management?

14. How are risk classified?

15. List the factors involved in risk planning.

16. What are steps involved in planning for risk?

17. Define a brainstorming technique.

18. Write short notes on Hazards identification.

19. Define Feasibility Study.

20. What is meant by planning?

PART B

1. Explain the objectives of Formal Technical Reviews in Detail.

2. Explain : Software Quality Assurance.

3. What is project schedule? Explain the stages of project schedules.

4. Explain with an example how critical path can be identified in precedence networks.

5. Discus the network model represented by the CPM network.

7. Explain the categories of risk framework.

8. Briefly explain the risk planning in project development.

9. Explain risk planning and control in detail.

10. Define hazard. How are hazards identified and analyzed?

11. Describe with an example how the effect of risk on project schedule is evaluated using PERT.

12. Diagrammatically explain about the key task of SCM.

UNIT IV

INSTREAM ACTIVITIES IN PROJECT

PART A

1. What is work break down structure?

2. List the Activities of project tracking.

3. Define process database.

4. Differentiate the types of Risk.

5. Write any two advantages of function point analysis.

6. Write short notes on cost monitoring?

7. List the change control procedures?

8. What are the activities during project initiation?

9. What is monitor earned value?

10. List the methods for assigning earned value in earned value anaylsis.

11. List the various prioritizing levels to monitor the project?

12. What are the roles of configuration librarian's?

13. What are the supply processes in managing contract?

14. What are the different types of contracts?

15. List the various typical terms of a contract?

16. Define resource allocation.

PART B

1. Explain in detail about Project Planning And Tracking.

2. What are the different types of visualizing progress explain in detail?

3. Explain how is “Work Breakdown Structure” Done?

4. Explain the activities during project initiation.

5. Explain the interfaces to the process database.

6. Discus the change control procedures in detail.

UNIT V

ENGINEERING AND PEOPLE ISSUES IN PROJECT MANAGEMENT

PART A

1.What are the phases in software development life cycle?

2. Define Requirement Analysis.

3. What is meant by qualification testing?

4. What is management?

5. What are the activities of management?

6. What are the problems with software project from manager’s point of view?

7. What are the problems with software project from student’s point of view?

8. What is meant by management control?

9. What are the steps involved in step wise planning?

10.How to identify project infrastructure?

11. Define project stake holders.

12. List the dimensions of requirement gathering.

13. Name the skill sets required during the requirements gathering phase.

14. .what are the salient features of design?

15. How are leadership style classified?

16. How to work in a group?

17. Write short notes on leadership?

18. Define organization.

19. Define stress.

PART B

1. Explain the steps to be involved during requirements gathering.

2. Identify some difference between design and development in terms of

    a. Processes used

    b. Technologies and tools used.

3. What is management? Explain the problems with software projects.

4. Compare and explain the concept of Engineering Activities and issues in each phase of the software development lifecycle.

5. List the factors that are involved in making a team. Explain the characteristics.

6. Discus in detail about the organizational structures.

7. Explain the methods to increase staff motivation.

8. Write a note on leadership styles.

9. Write notes on stress handled in development process.

10. Explain how new staff can be selected and inducted into a project.