SE UNIT 1 DESCRIPTIVE QUESTIONS

1.What is Software Engineering?

2. What are the benefits of metrics in software engineering?

3. Explain the various types of models which used in software Engineering.

4. Explain the generic views of software Engineering.

5. Explain the objectives of a)coding b) structured programming.

6. Explain the term, software maintenance

7.Give a description of prototyping model

8. What is software process or Software Development Life Cycle (SDLC)?

9. What are SDLC models available?

10. What is software project management?

11. What is SRS?

12. What is cohesion?

13. What is coupling?

14. Differentiate validation and verification?

15. .What is software re-engineering?

UNIT-2:QNS

1. Because a focus on quality demands resources and time, is it possible to be agile and stillmaintain a quality focus?
2. Of the eight core principles that guide process, which do youbelieve is most important?
3. Do some research on "negotiation" for the communication activity, and prepare a set ofguidelines that focus solely on negotiation.
4. Why are models important in software engineering work? Are they always necessary? Arethere qualifiers to your answer about necessity?
5. What is a successful test?
6. Why is feedback important to the software team?
7. What are the principle that guide process and practice?
8. Explain the principles that guide each frame work activity?
9. What are different types of requirements?
10. Discuss requirement engineering process?(Seven distinct tasks)
11. Why do we need requirements?
12. Discuss building analysis model?
13. What are requirements models? Discuss
14. Draw and explain class based and use case based models with example
15. Discuss functional model and behavioral models with example

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MODULE-III QUESTIONS

1. Write about various Design Concepts in detail?

2. Explain the following
   a) Design model b) Software Architecture

3. What is Design Process? How the UML is helpful in this?

4. Describe Architectural Patterns in brief?

5. What are the design principles? Explain in detail?

6. Explain about object oriented analysis and design principle?

7. What are the characteristics of a good design? Describe different types of coupling and cohesion. How design evaluation is performed?

8. What is modularity? For a good quality software modularity is important. Why? Justify.

9. Describe the process of Translating requirements into design model with a neat diagram.

10. Define design. Discuss the characteristics of good design.

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MODULE-IV and V QUESTIONS

1) What are software quality factors?

2) Explain the software quality assurance?

3) What is the necessity of quality assurance in software development?

4) What is meant by SQA? Discuss in detail SQA activities?

5) What are the different ways in which quality can be reviewed? Explain them?

6) What are formal technical reviews? How they are conducted?

7) Give brief description about the ISO 9000 standards?

8) What do you mean by software quality and explain the ways in which we can achieve the quality?

9) What is testing? Explain white-box testing and block box testing with example

10) Explain the following: Integration Testing, Artificial Intelligence and Regression Testing, Validation Testing.

11) What are testing techniques? Explain

12) Discuss basis path testing with example