

Dronacharya College of Engineering, Gurgaon

Department of Electronics and Computers Engineering

Subject: Principles of Software Engineering (Code: CSE-302-F)

Semester: / Branch: VI ECS

Short Questions

Section A

- Q1. Define Software Engineering.
- Q2. Define Stakeholder.
- Q3. How the Process Model differ from one another?
- Q4. Write out the reasons for the Failure of Water Fall Model?
- Q5. What are the Drawbacks of RAD Model?
- Q6. What are the Objectives of Requirement Analysis ?
- Q7. Which of the software engineering paradigms would be most effective? Why?
- Q8. What is the Objective of the Project Planning Process?
- Q9. How do we compute the “Expected Value” for Software Size?
- Q10. List out the basic principles of software project scheduling?
- Q11. What is System Modeling?
- Q12. What are the Difficulties in Elicitation?

Section B

- Q1. List out the Factors of Data Modeling?

Q2. Define the terms in Software Designing :

(a) Abstraction

(b) Modularity

Q3. How the Architecture Design can be represented?

Q4. What is the Advantage of Information Hiding?

Q5. What are the Different types of Design Model? Explain.

Q6. List out the Different elements of Design Model?

Q7. What is Coupling?

Q8. What is Cohesion?

Q9. What are the Different Types of Cohesion?

Q10. What are the Different Types of Coupling?

Section C

Q1. What are the Basic Principles of Software Testing?

Q2. List out the Characteristics of Testability of Software?

Q3. List out various Methods for finding Cyclomatic Complexity ?

Q4. Define Smoke Testing ?

Q5. What are the Attributes of Good Test?

Q6. Define White Box Testing.

Q7. Define Basic Path Testing.

Q8. What errors are commonly found during Unit Testing?

Q9. What problems may be encountered when Top-Down Integration is chosen?

Q10. What are the Steps in Bottom-Up Integration?

Q11. What is Equivalence Partition?

Section D

- Q1. What are the Components of the Cost of Quality?
- Q2. What is Software Quality Control?
- Q3. What is Software Quality Assurance?
- Q4. What are the Objective of Formal Technical Reviews?
- Q5. What Steps are required to perform Statistical SQA?
- Q6. Define SQA Plan.
- Q7. Define Status Reporting ?
- Q8. Define CASE Tools.
- Q9. How do we define Software Quality?
- Q10. What are the Type of CASE Tools?
- Q11. Define Software Reliability?
- Q12. How the Registration process of ISO 9000 certification is done?