



- Notes : 1. All questions are compulsory and carry equal marks.  
 2. Draw neat and labelled diagram and use supporting data wherever necessary.  
 3. Avoid vague answers and write specific answer related to question.

Either.

1. a) Explain in detail difference between Top down integration Testing and Bottom up integration testing. **8**  
 b) What are the different activity in verification? Explain types of reviews in detail. **8**

**OR**

- c) What are the different team members in the organization for software testing? **8**  
 d) Explain unit testing in detail. **8**

Either.

2. a) Explain the different debugging strategies in testing. **8**  
 b) Write note on: **8**  
 i) Stress testing. ii) Performance testing.

**OR**

- c) What is system testing and its importance in software testing. **8**  
 d) Explain security testing and its need. **8**

Either.

3. a) Explain in detail. **8**  
 i) Risk mitigation. ii) Risk monitoring.  
 b) What is software Risk? What are different types of software Risk? **8**

**OR**

- c) What are different components and Drivers of Risk? **8**  
 d) How can we assess the Risk impact & explain the process of developing a Risk table. **8**

Either.

4. a) Explain the different standards used for monitoring quality in organization. **8**  
 b) What is the process of formal technical review? **8**

**OR**

- c) Explain the six sigma standards in software engineering. **8**  
 d) What is Reporting and record keeping? **8**

5. Solve all the question.  
 a) Explain the process of validation in detail. **4**  
 b) What is the concept of correcting errors. **4**  
 c) Explain Risk identification. **4**  
 d) Write a note on : Review Guideline. **4**

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