

B.E. Information Technology Seven Semester  
**IT7054 / IT705 - Elective-II : Software Testing**

P. Pages : 1

Time : Three Hours



**GUG/W/18/1824**

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
  2. Due credit will be given to neatness and adequate dimensions.
  3. Assume suitable data wherever necessary.
  4. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) Write a note on 'Origins of Quality'. Also differentiate between Quality control and Quality Assurance. 8  
b) Explain in detail differences between Requirement and specification. Also state Roles and responsibilities of various categories of people that are involved during Requirement management phase. 8
- OR**
2. a) Explain in detail main activities involved during analyzing gathered requirements. 8  
b) Write a note on:- 8  
i) Incremental testing Approach.      ii) Error and fault.
3. Explain in detail Design levels. Also explain Roles & responsibilities during design phase. 16
- OR**
4. Explain Equivalence class testing in detail with all its four types. 16
5. a) Explain unit testing in detail with proper example. 8  
b) What are the activities involved in Beta testing. 8
- OR**
6. a) What are the guidelines that are used for selecting test cases for stress testing. 8  
b) What is performance testing? Explain each related problematic area of performance testing. 8
7. a) Explain in detail, issues arises during testing by people and organization. 8  
b) What is test specialist? Explain in detail skills required by test specialist. 8
- OR**
8. a) Explain with proper Block diagram levels of test Execution. 8  
b) Explain in detail Defect Report Format (IEEE 829) used by tester and developer. 8
9. a) List important points that should be noted during Automated testing. 8  
b) Write note on. 8  
a) Static test tools.      b) Dynamic test tools.
- OR**
10. a) What are the skills required for using Automated tools. 8  
b) What are the disadvantages of manual testing? Explain each in detail. 8

\*\*\*\*\*