

Roll No.

ANNA UNIVERSITY  
B.E./B.TECH. DEGREE EXAMINATIONS, APRIL/MAY 2012.  
INFORMATION TECHNOLOGY - R2004  
VII SEMESTER

40

IT471 SOFTWARE TESTING

Time: 3 Hrs

Max.Marks: 180

PART - A (10 x 2 = 20)

1. What are the components of a defect repository?
2. State the test adequacy criteria for web testing.
3. Why do you call acceptance test by its name? (Hint: State the what and who behind UAT)
4. Define: Test Oracle.
5. What is a testable unit?
6. Explain path testing with example.
7. What are the policies to be followed in reporting test results?
8. State the criteria for test completion.
9. Distinguish: Project and Product metrics
10. Comment on the usage of Function points as an effective test metric.

PART - B (5 x 16 = 80)

11. (a) How are defects identified within a software system? State the reason for occurrence of design and coding defects. Also list effective strategies for defect prevention. (16)

12. (a) What is equivalence class partitioning? Discuss with an example program that finds the smallest of the given numbers. (16)

(or)

- (b) Explain cyclomatic complexity analysis for a program which allocates the reservation table in a Hotel premises. (16)

13. (a) What is scenario testing? How is user stories considered different from user scenarios? (16)

(or)

- (b) List the points to be remembered for internationalization testing of a legacy banking software. (16)