

B.E / B.TECH DEGREE EXAMINATIONS APRIL/ MAY 2012
VII SEMESTER
CS9044 / IT9401 SOFTWARE TESTING
(REGULATION 2008)

TIME: 3 HOURS

MAX.MARKS: 100

PART – A
ANSWER ALL QUESTIONS

(10*2= 20 MARKS)

1. Define Test Suite?
2. Differentiate Verification and Validation.
3. What are Defects?
4. List the skills required by a Tester?
5. What do you mean by BVA?
6. Define Test harness?
7. What do you mean by Defect Bash Elimination?
8. Define Ad-hoc Testing?
9. Differentiate Alpha and Beta Testing?
10. What are the skills needed for automation.

PART – B
ANSWER ALL QUESTIONS

(5*16=80 MARKS)

11. a) Draw the V-model and explain the test related activities carried out during software development process.
12. a) Explain the design of defect repository.

OR

b) Explain Data Flow testing with an example.

13. a) Explain Top-down and Bottom-up Integration testing approaches.

OR

b) An Air-traffic control system can have one or many users. It interfaces with many hardware devices such as displays, radar detectors and communication devices. This system can occur in a variety of configurations. Describe how you would carry out configuration tests on this system.

14. a) Discuss the pros and cons of an independent Test group, one that is a separate organizational entity with its own reporting structure.

OR

b) What are the test-related documents generated during execution? Explain the purpose of test transmittal report and test log.

15. a) Explain how monitoring and controlling of testing are carried out.

OR

b) Your organization has just begun a review program. What size of review team you would suggest and explain the different rules for members of the review team.