

Software Testing & Quality Assurance 0.

Q. P. Code: 25888

Time: 3 Hours

Total Marks: 80

Note: 1. Question No. 1 is compulsory

2. Attempt any three questions out of remaining five questions.

3. Assume suitable data wherever necessary.

1. (a) Explain Verification in high level and low level design. (05)
(b) Explain need of Automation in Testing (05)
(c) Compare Traditional Software Testing and Web based software testing (05)
(d) Compare progressive and regressive testing (05)
2. (a) Explain in detail Software Testing Life Cycle(STLC) (10)
(b) Explain the difference between failure, fault and error. (10)
3. (a) A program reads an integer number within range [1,100] and determines whether it is prime number or not. Design test cases for this program using BVC, robust testing and worst-case testing method. (10)
(b) Explain issues in Object Oriented Testing. (10)
4. (a) Explain entry and exit criteria for Alpha and Beta testing. How Alpha testing is differ from Beta testing. (10)
(b) Explain need and classification of software matrices. (10)
5. (a) Discuss importance of verification and validation in a project. (10)
(b) Why do we need Integration Testing? Explain its approaches in integration testing. (10)
6. Write short note on (any four) (20)
 - (a) Acceptance Testing
 - (b) Challenges in testing of data ware house
 - (c) Regression Testing
 - (d) Software quality management
 - (e) Efficient Test Suite Management
