

NB: 1. Question No. 1 is compulsory.

2. All questions carry equal marks.

3. In all answer Five Questions.

1.
 - a) Compare McCall's Quality Model with ISO quality model. [5]
 - b) With example explain different types of interface errors. [5]
 - c) Explain test design preparedness matrix [5]
 - d) Explain different views of software quality [5]
2.
 - a) Explain following terms [10]
 - i) Error ii) Fault iii) Defect iv) Verification v) Validation
 - b) Differentiate between software testability and reliability with their relative importance [10]
3.
 - a) List and explain parameters for selection and evaluation of automated testing tools [10]
 - b) Explain boundary value analysis with example. [10]
4.
 - a) Discuss characteristics of automated test cases. [10]
 - b) Give a detailed note on test execution strategy. [10]
5.
 - a) Draw and explain state transition diagram of a test case. [10]
 - b) Discuss relative advantages and disadvantages of top-down and bottom-up integration approaches. [10]
6.
 - a) Differentiate between black box and white box testing. [10]
 - b) With respect to whole program state transition diagram, explain Data Anomaly. [10]
7. Short notes on: a2zSubjects.com
 - a) Defect lifecycle. [5]
 - b) Strength and weakness of manual and automated testing [5]
 - c) Explain and discuss zero day attack in the context of security testing [5]
 - d) Advantage and disadvantage of acceptance testing [5]
