

Time: (2½ Hours)

[Total Marks: 75]

- N. B.: (1) All questions are compulsory.
(2) Answers to the same question must be written together.
(3) Numbers to the right indicate marks.
(4) Draw neat labeled diagrams wherever necessary.

- Q.1 Attempt any three of the following: 15
- Differentiate between continuous improvement and continual improvement.
 - What is Quality? Explain different views on quality
 - Explain the concept of 'q' organizations and 'Q' organizations
 - Explain the structure of Quality Management system
 - Write a short note on financial aspect of quality
 - List and explain five requirements of a product
- Q.2 Attempt any three of the following: 15
- Write a short note on Requirement Traceability Matrix
 - Explain the life cycle of testing
 - Explain in brief waterfall model
 - Explain gray box testing with its advantages and disadvantages
 - State and explain the goals of testing.
 - Explain white box testing and state its advantages and disadvantages
- Q.3 Attempt any three of the following: 15
- Explain in brief Data Flow Testing
 - Explain slice-based testing with an example
 - Explain Boundary value Analysis?
 - Write a short note on improved equivalence class testing
 - What is decision table testing technique? Explain in detail with an example
 - How to calculate cyclomatic complexity?
- Q.4 Attempt any three of the following: 15
- Explain different levels of acceptance testing.
 - Explain testing during design phase.
 - Explain the different roles and responsibilities of development group?
 - Explain types of reviews on basis of test phase
 - Diagrammatically explain V model
 - Describe about walkthrough review.
- Q.5 Attempt any three of the following: 15
- Describe the process of testing data warehouse systems.
 - Describe the mobile applications (PDA) testing process
 - Explain COTS testing process
 - Write a short note on Smoke Testing
 - What is Integration testing? Explain with an example
 - What is bottom up and top down testing? Explain with an example