



Q. 2 Attempt the following (Any THREE)(Each of 5Marks) (15M)

- (a) Explain any five desirable software qualities.
- ~~(b)~~ Give the concept of Software reviews, Inspection and Walkthrough.
- ~~(c)~~ List Black Box Testing types. Explain any two.
- (d) Discuss levels of testing.
- (e) Distinguish between Verification and Validation.
- ~~(f)~~ Write a note on SDLC.

Q. 3 Attempt the following (Any THREE) (Each of 5Marks) (15M)

- ~~(a)~~ Write a note on Unit Testing.
- (b) Explain categories of Software Metrics.
- (c) Discuss Defect Management Process in detail.
- ~~(d)~~ What are Smoke Testing and its benefits?
- (e) Give the concept of Complexity Metrics.
- ~~(f)~~ Explain Bottom-Up Integration testing.

Q. 4 Attempt the following (Any THREE) (Each of 5Marks) (15M)

- (a) Discuss any five guidelines for formal technical review.
- (b) What are the advantages of ISO 9000 standards?
- ~~(c)~~ Write a note on SQA plan.
- ~~(d)~~ How to measure quality cost?
- ~~(e)~~ What are the elements of software reliability? State factors affecting it.
- (f) Write in brief about any three reliability metrics.

Q. 5 Attempt the following (Any THREE) (Each of 5Marks) (15M)

- ~~(a)~~ Differentiate between White Box and Black box testing
- ~~(b)~~ How to use defects for process improvement?
- (c) What are activities under quality movement?
- (d) Explain Cyclomatic complexity with example.
- (e) Write in brief about test case design. Give example.

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