

70378



PART – B

(5×13=65 Marks)

11. a) What is testing ? Explain the objectives of testing. Elaborate on how quality is associated with testing.
(OR)
- b) Explain :
- i) Test tools and automation. (6)
 - ii) Test case selection. (7)
12. a) Explain in detail about boundary value analysis with an example.
(OR)
- b) Explain about the use of decision tables in testing with an example.
13. a) How robustness of software is tested ? Explain its types.
(OR)
- b) Describe about various test architectures.
14. a) Explain the various levels in process maturity model.
(OR)
- b) Explain briefly about ISO 9126 quality characteristics.
15. a) Explain in detail about :
- i) Software fault tolerance. (4)
 - ii) Safety assurance. (4)
 - iii) Failure containment. (5)
- (OR)
- b) Explain FSM-based testing of web-based applications and its characteristics.

PART – C

(1×15=15 Marks)

16. a) Write a program to calculate nC_r value using functions. Describe in detail about the different white-box testing techniques applied stagewise.
(OR)
- b) Explain the principles of ISO 9000 : 2000 software quality standard in detail.
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