



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – July 2020 IV Semester

Class : II UG
Major : Information Technology

Time : 3 Hours
Max. Marks : 100

18BITC16 Software Testing

Part A

10 x 1 = 10

Choose the Correct Answer

- Validation is
 - Checking that we are building the right product
 - Checking that we are building the product right
 - Performed by an independent test team
 - Making sure that it is what the user really wants
- Testing done without planning and documentation is called
 - Unit
 - Regression
 - Adhoc
 - None of the above
- Output values dictated by certain conditions depending upon values of input variables called as
 - Boundary value analysis
 - Decision tables
 - Equivalence partitioning
 - Domain testing
- Which is defined as a set of realistic user activities that are used for evaluating the product?
 - Unit testing
 - System scenario
 - Performance testing
 - Scenario testing
- In which testing the focus is on customer usage
 - Alpha testing
 - Beta testing
 - Both alpha & beta testing
 - Validation
- Acceptance test cases are _____ type of test cases
 - White box
 - Black box
 - System
 - Performance
- The capability of the system or the product in handling multiple transactions is determined by a factor called
 - Latency
 - Response time
 - Throughput
 - Tuning
- Executing the same test case on a modified build is called as
 - Regular regression
 - Final regression
 - Regression
 - Retesting
- _____ deals with expressing the risk in numerical terms
 - Risk identification
 - Risk quantization
 - Risk mitigation
 - All the above
- Which of the following items are not measured by software project metrics
 - Input
 - Markets
 - Output
 - Results

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

11. a. Write the differences between validation and verification.
(or)
11. b. Write a note on desk checking.
12. a. Discuss about positive and negative testing.
(or)
12. b. Explain the various types of integration testing.
13. a. What is reliability testing? Explain.
(or)
13. b. Why system testing is done? Explain.
14. a. Discuss the various factors that influence the performance testing.
(or)
14. b. What is regression testing? Explain the types of regression testing.
15. a. Discuss about test reporting.
(or)
15. b. Explain the various types of metrics used in software testing.

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

16. a. Explain in detail about waterfall model.
(or)
16. b. Explain in detail about structural testing.
17. a. Describe the various techniques used in black box testing.
(or)
17. b. Explain the methods of scenario testing.
18. a. Illustrate the functional system testing in detail.
(or)
18. b. Write a detailed note on acceptance testing.
19. a. Discuss about the any four methodologies for performance testing.
(or)
19. b. Explain the various steps of doing regression testing.
20. a. Explain briefly about test planning.
(or)
20. b. Write a note on productivity metrics.
