

**Avinashilingam Institute for Home Science and Higher Education for Women,
(Deemed to be University) Coimbatore – 641 043.
Bachelors Degree Examination – November 2018
V Semester**

Class : III U.G.

Major : Information Technology

Time : 3 hours

Max. Marks : 100

15BITC20 – Software Testing

PART – A

10 x 1 = 10

Choose the correct answer

1. Which one of the below is a static technique?
a) exploratory testing b) equivalence partitioning
c) use case testing d) code inspection
2. Path Coverage = _____
a) total decision exercised/total number of decision in program)*100
b) total path exercised/total number of path in program)*100
c) total function exercised/total number of function in program)*100
d) total testcase exercised/total number of testcase in program)*100
3. Checking for expected and unexpected input values are called as _____ testing.
a) domain testing b) documentation testing c) graph based testing
d) positive & negative testing
4. Which integration is ideal for a product where the interface are stable with less number of defects?
a) big bang b) top-down c) bi-directional d) bottom-up
5. Response time ,throughput & latency all are the parameters of _____ test.
a) performance test b) reliability test c) stress test d) scalability test
6. Who is responsible for acceptance testing?
a) developer b) designer c) customer d) software tester
7. Which one of the below is a functional performance tool?
a) Win Runner from mercury b) Load runner from mercury
c) Silk performance from segue d) QA load from Compuware
8. _____ test suite successfully on that build before checking the code into the configuration management repository.
a) sanity test b) smoke test c) testbed d) all the above
9. TCDB stands a _____
a) Test Case Database b) Test Code Database c) Test Clear Database
d) Test Choice Database
10. Which metrics help in planning & estimating of testing activities?
a) project metrics b) progress metrics c) test metrics
d) productivity metrics

PART -B

5x6=30

Answer the following

Answer should not exceed 400 words or two pages

- 11.a) What is glass box testing? Explain with diagram.
(or)
- 11.b) Explain about unit and code functional testing.
- 12.a) List out the overall functionality of the black box testing.
(or)
- 12.b) Explain about system integration.
- 13.a) Explain about Beta testing.
(or)
- 13.b) Explain about acceptance testing & their criteria.
- 14.a) What are the tools used of the performance testing?
(or)
- 14.b) What is regression testing? Explain the types of regression testing.
- 15.a) What should be included in test reporting? Explain in Briefly.
(or)
- 15.b) Explain in detail about types of metrics.

PART- C

5x12=60

Answer the following

Answer should not exceed 400 words or two pages

- 16.a) Explain the following: i) static testing ii) structural testing
(or)
- 16.b) What are types of code coverage testing? Explain in Briefly.
- 17.a) What are the various techniques of the black box testing? Explain.
(or)
- 17.b) Explain about the two methods to evolve scenario testing.
- 18.a) What are the typical entry /exit criteria for non-functional testing?
(or)
- 18.b) What are the selecting test cases for acceptance testing?
- 19.a) Explain about the methodology for performance testing.
(or)
- 19.b) When to do & How to do regression testing?
- 20. a) Why test planning is important for test project? Explain in briefly.
(or)
- 20) b) Explain in detail about Project metrics.
