

## **STOA QUESTION BANK**

### **UNIT -1**

- 1) What is software testing? (2 marks)
- 2) What are the benefits of software testing? (2 marks)
- 3) What are the basic principles of software testing? (2 marks)
- 4) Differentiate verification / validation? (5 marks)
- 5) What is validation? (2 marks)
- 6) What is verification? (2 marks)
- 7) What is debugging? (2 marks)
- 8) Explain debugging strategies? (2 marks)
- 9) What is static and dynamic testing? (2 marks)
- 10) What is manual testing? (2 marks)
- 11) What is automation testing? (2 marks)
- 12) What is unit testing? Write Advantages? (2 marks)
- 13) What is integration testing? write Advantages? (2 marks)
- 14) What is system? Write Advantages? (2 marks)
- 15) What is acceptance testing? Write Advantages? (2 marks)
- 16) What is validation testing? Write Advantages? (2 marks)
- 17) What is alpha and beta testing? (2 marks)
- 18) What is security and recovery testing? (2 marks)
- 19) What is stress and load testing? (2 marks)
- 20) What is performance testing and its types? Write Advantages? ( 5 marks)
- 21) What is software testing? Explain software testing types in details? (8 marks)
- 22) Difference Between alpha and beta testing? (5 marks)
- 23) What is test cases? (2 marks)
- 24) What is stubs and driver ? (2 marks)
- 25) Metrics in software testing? (5 marks)
- 26) What is LOC (source code) testing?

- 27) What is software testing metrics? (2 marks)
- 28) What is LOC and source code metrics? (2 marks)
- 29) What is product metrics? (1 marks)
- 30) What is project metrics? (1 marks)
- 31) What is process metrics? (1 marks)

## **UNIT-2**

- 1. What is grey box testing?
- 2. what is regression testing?
- 3. what is mutation testing?
- 4. what is penetration testing?
- 5. what are the various roles of s/w tester?
- 6. what are the various software testing principles?
- 7. what is black box testing a/d, d/a, types, techniques.?
- 8. what is WBT a/d, d/a, ty pes techniques.?
- 9. Give 2 examples of BBT (Black box testing) and WBT(white box testing)?
- 10. List out drawbacks of WBT and BBT.
- 11. List out advantages of BBT and WBT?
- 12. what is condition testing?
- 13. what is boundary value analysis technique?

## **UNIT- 3**

- 14. what is object-oriented testing?(2 marks)
- 15. what is object-oriented testing and explain its various levels(types).(5 marks)
- 16. what is object-oriented testing? what are the various techniques of object-oriented testing?(7-8 marks)
- 17. what is random technique?(monkey testing)(5 marks)
- 18. what is class-testing?(2 marks)
- 19. what is partition testing and its types?(5 marks)
- 20. what is fault based technique? (2 marks)

21. what is attribute based technique? (2 marks)
22. what is state based technique? (2 marks)
23. what is category based technique?(2 marks)
24. what is validation testing in object-oriented?
25. what is thread-based testing? explain its types and advantages and disadvantages.(5 marks)
26. what is scenario based testing? Explain its techniques? (5 marks)
27. What is use case based testing?
28. What is the difference between conventional testing (traditional testing) and object -oriented based testing?