



Sample Paper

Course : SATA Version-II

Duration : 02:00 Hours

Maximum Marks : 120

Note:

- Attempt all questions in Section A- (2 marks each).
- All questions are compulsory in Section B- (5 marks each). However, out of 8 questions 4 questions will have additional questions as internal choices.
- All questions are compulsory in Section C- (10 marks each). However, out of 4 questions 2 questions will have additional questions as internal choices.

Section A

1. Automation testing is always conducted before performing manual testing.
a) False
b) True
2. An alternate key is another form of the primary key.
a) True
b) False
3. In Java, the protected access modifier allows access to members?
a) Only inside the declaring class
b) Accessible in the same package and subclasses
c) Accessible everywhere
d) Accessible only within package
4. Protractor was originally designed to automate testing for which JavaScript framework?
a) React.js
b) Angular.js
c) Backbone.js
d) Aurelia.js

5. Regression testing is considered a significant phase of testing within the Waterfall life cycle model.
- a) True
 - b) False
6. Employability skills have no impact on job satisfaction or overall career success.
- a) False
 - b) True
7. Maintenance is a phase of SDLC.
- a) True
 - b) False
8. Which term refers to possible issues that may threaten the successful completion of a project?
- a) Failure
 - b) Bug
 - c) Error
 - d) Risk
9. Which of the following is NOT true about interfaces?
- a) Support multiple inheritance
 - b) Can be instantiated
 - c) Can have abstract methods
 - d) Can contain default methods
10. DML stands for Data Modification Language.
- a) True
 - b) False
11. A multi-user operating system allows several users to access the system simultaneously.
- a) False
 - b) True



12. Which SQL statement is the fastest for removing all rows from a table?
- a) DROP TABLE
 - b) DELETE
 - c) TRUNCATE
 - d) CLEAR
13. Which testing methodology is commonly used during maintenance testing?
- a) Breadth test and depth test
 - b) Retesting
 - c) Confirmation testing
 - d) Sanity testing
14. Which communication channel is typically used for real-time customer service interactions?
- a) Postal mail
 - b) Phone
 - c) Email
 - d) Social media
15. All types of software can be automated tested.
- a) True
 - b) False
16. Which type of SQL JOIN includes all records from both tables, even when there is no matching value?
- a) LEFT JOIN
 - b) INNER JOIN
 - c) FULL OUTER JOIN
 - d) RIGHT JOIN
17. In which year was Selenium developed?
- a) 2004
 - b) 2005
 - c) 2006
 - d) 2001

18. Java supports both single and multilevel inheritance.
- a) True
 - b) False
19. Object-Oriented Programming helps programmers design code that can be reused and maintained easily.
- a) True
 - b) False
20. Which function is performed by the sudo command?
- a) Deletes files and folders
 - b) View a Lists directories
 - c) Updates software
 - d) Gives superuser privileges



Section B

1. Define manual testing and automation testing and explain how they are different.

OR

Write a short note on database testing?

2. Discuss the role of data types in defining SQL table structures.

OR

Explain the process and significance of performing regression testing on databases.

3. Explain the benefits of maintaining requirement traceability during the testing process?
4. What are checked and unchecked exceptions in Java? Explain each type with examples and discuss their handling mechanisms?

OR

What is a class loader in Java Virtual Machine (JVM)? Discuss the various types of class loaders.

5. Explain advantages and disadvantages of manual testing?
6. Write a note on conditional statements in Java and explain them using suitable examples?

OR

What is the method of extending multiple interfaces in Java? Explain with an example?

7. Write any three basic commands in Linux?
8. Explain the advantages and disadvantages of verbal communication?

Section C

1. What do you understand by a test scenario? Compare it with a test case?
2. Create a Java program to implement a thread by extending the built-in Thread class?
OR
Write a Java program to accept two matrices from the user and perform matrix subtraction.
3. Write a program in Java to create a class Square with methods to calculate area and perimeter (Enter input from user)
OR
Write a Java program to check whether a given number is even or odd.
4. What steps are involved in setting up logging and reporting for automation tests?

