INFOBIT
SOLUTIONS
Programming The Future

C language

- C language overview
- C basics
- C basics syntax
- C Data type variables
- C constant and literals
- Decision and selection control statements
- C operator
- Loop
- Functions
- Arrays
- C-pointers
- C Strings ,c union
- Interview Questions

Manual testing

- **Manual testing basic concept**

- **Advantages and Disadvantages**

- **Roles and Responsibilities of manual tester**

- **SDLC(software development life cycle)**

- **STLC(software testing life cycle)**

- **SDLC models**

- **Levels of testing**

1. Acceptance testing
2. Unit testing
3. System testing
4. Integration testing

- Verification and validation
- Manual testing tools
- Test cases Writing
- Defect Report Writing
- Bug life cycle
- Other testing type
1. Functional testing
2. Non functional testing
3. UI testing
4. UI and usability testing
5. Localization testing
6. Installation testing
7. Accessibility testing
8. Performance testing
9. Compatibility testing
10. configration testing
11. security testing
12. Data base testing
13. black box testing
14. white box testing

15. Gray box testing

- Unit test Execution
- smoke testing
- sanity testing
- Retesting
- Regression testing
- Test closure process
- (UAT)user Acceptance testing
- Alfa and beta testing
- Monkey testing
- Quality management
- Manual testing project
- Entry exit criteria
- Cyclomatic complexity
- Bug tracking tool
- Equivalence partitioning
- Boundary value Analysis
- What is Error,bug and defect
- Preparation of test case template
- Big bang integration
- Path coverage

Core java

- Java introduction
- JDK
- JRE
- JVM
- Java basics syntax
- Installation of java(JDK)
- Data type
- Variable
- Keyword
- Identifier
- Control statement
- Operator
- Arrays
- Methods
- Strings
- Oops concept
- Interview Questions

Automation

- **What is Automation testing**
- **Advantages of Automation testing**
- **Fundamentals of test Automation**
- **Automation framework**
- **Selenium basic introduction**
- **Advantages of selenium**
- **Selenium suite**
- **Selenium web driver**
- **Basic introduction of web driver**
- **Selenium features**
- **Selenium IDE**
- **Driver introduction fire fox , chrome Android**
- **Selenium commands**
- **Web Driver programs**
- **Attributes in locating elements**
- **Web element commands**
- **Handling multiple element**
- **Handling multiple pop-us**
- **Timeout methods**
- **Screenshot**
- **Waits**
- **Drag and drop in selenium**
- **Handling mouse**
- **Handling multiple Windows**
- **Relative xpath**
- **Absolute xpath**
- **testNG framework**
- **installation of testNG**
- **run programs using testNG**
- **SoftAssert using testNG**
- **Parameterization using testNG.xml file**
- **Data provider basic concept in testNG**

SQL

- Installation of SQL
- Introduction to SQL
- Data types
- Primary –foreign keys and constraints
- Introduction DBMS
- Basics SQL tables
- Create and drop Data base
- Query Syntax
- Operator
- Statements
- Intersect operator
- Union operator
- Joins in SQL
- SQL VS MYSQL
- SQL injection
- Select statements in SQL
- DDL
- DML
- DCL
- TCL
- ISTQB(international software testing Qualification Board) foundation level exam preparation

Aptitude Syllabus

Verbal Reasoning

1. Series Completion
2. Classification
3. Coding- Decoding
4. Blood Relation
5. Puzzle Test
6. Direction
7. Logical Venn Diagram
8. Numeric sequence Puzzle
9. Mathematical Operations

Non- verbal reasoning

1. Series
2. Analogy
3. Classification
4. Mirror Image
5. Water Image
6. Cubes And Dice

Numerical Aptitude

1. Number System
2. H.C.F. and L.C.M
3. Decimal Fraction
4. Simplification

Software Testing Syllabus

C Language
- C language overview
- C basics
- C basics syntax
- C Data type variables
- C constant and literals
- Decision and selection control statements
- C operator
- Loop
- Functions
- Arrays
- C-pointers
- C Strings ,c union
- Interview Questions

Manual Testing
- Manual testing basic concept
- Advantages and Disadvantages
- Roles and Responsibilities of manual tester
- SDLC(software development life cycle)
- STLC(software testing life cycle)
- SDLC models

- Levels of testing
1. Acceptance testing
2. Unit testing
3. System testing
4. Integration testing

- Verification and validation
- Manual testing tools
- Test cases Writing
- Defect Report Writing
- Bug life cycle
- Other testing type
1. Functional testing
2. Non functional testing
3. UI testing
4. UI and usability testing
5. Localization testing
6. Installation testing
7. Accessibility testing
8. Performance testing
9. Compatibility testing
10. configration testing
11. security testing
12. Data base testing
13. black box testing

14. white box testing

         15. Gray box testing

- Unit test Execution
- smoke testing
- sanity testing
- Retesting
- Regression testing
- Test closure process
- (UAT)user Acceptance testing
- Alfa and beta testing
- Monkey testing
- Quality management
- Manual testing project
- Entry exit criteria
- Cyclomatic complexity
- Bug tracking tool
- Equivalence partitioning
- Boundary value Analysis
- What is Error, bug and defect
- Preparation of test case template
- Big bang integration
- Path coverage

Core Java

- Java introduction
- JDK
- JRE
- JVM
- Java basics syntax
- Installation of java(JDK)
- Data type
- Variable
- Keyword
- Identifier
- Control statement
- Operator
- Arrays
- Methods
- Strings
- Oops concept
- Interview Questions

Automation Testing

- What is Automation testing
- Advantages of Automation testing
- Fundamentals of test Automation

- Automation framework
- Selenium basic introduction
- Advantages of selenium
- Selenium suite
- Selenium web driver
- Basic introduction of web driver
- Selenium features
- Selenium IDE
- Driver introduction fire fox , chrome Android
- Selenium commands
- Web Driver programs
- Attributes in locating elements
- Web element commands
- Handling multiple element
- Handling multiple pop-us
- Timeout methods
- Screenshot
- Waits
- Drag and drop in selenium
- Handling mouse
- Handling multiple Windows
- Relative xpath
- Absolute xpath
- testNG framework
- installation of testNG
- run programs using testNG
- SoftAssert using testNG

- Parameterization using testNG.xml file
  - Data provider basic concept in testNG

SQL

- Installation of SQL
- Introduction to SQL
- Data types
- Primary –foreign keys and constraints
- Introduction DBMS
- Basics SQL tables
- Create and drop Data base
- Query Syntax
- Operator
- Statements
- Intersect operator
- Union operator
- Joins in SQL
- SQL VS MYSQL
- SQL injection
- Select statements in SQL
- DDL
- DML
- DCL
- TCL