## **3. TEST PLAN**

**3.1 INTEGRATION TEST PLAN**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Description** | **Expected Input** | **Expected Output** | **Actual Output** | **Result of the Test** |
| T01H | Taking input | Entered 2 numbers | Entered | Entered | passed |
| T02H | Operation on each function | Function selected | Calculation done and displayed output | Calculation done and displayed output | Passed |
| T03H | Display output | Input entered | Output displayed | Output displayed | Passed |

### Table2. Integrated test plan

### 3.2 LOW LEVEL

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Description** | **Expected Input** | **Expected Output** | **Actual Output** | **Result of the Test** |
| T01L | Addition | Enter 2 and 3 | Output is 5 | Output is 5 | Passed |
| T02L | Subtraction | Enter 2 and 1 | Output is 1 | Output is 1 | Passed |
| T03L | Multiplication | Enter 3 and 4 | Output is 12 | Output is 12 | Passed |
| T04L | Division | Enter 6 and 3 | Output is 2 | Output is 2 | Passed |
| T05L | Modulus | Enter 6 and 3 | Output is 0 | Output is 0 | Passed |
| T06L | Square | Enter 2 | Output is 4 | Output is 4 | Passed |
| T07L | Square root | Enter 4 | Output is 2 | Output is 2 | Passed |
| T08L | Kilometers to meters | Enter 1 | Output is 1000 | Output is 1000 | Passed |
| T09L | Meters to centimeters | Enter 1 | Output is 100 | Output is 100 | Passed |
| T10L | Feet to inches | Enter 1 | Output is 12 | Output is 12 | Passed |
| T11L | Inches to centimeters | Enter 1 | Output is 2.54 | Output is 2.54 | Passed |
| T12L | Centimeters to meters | Enter 10 | Output is 0.1 | Output is 0.1 | Passed |
| T13L | Yard to meters | Enter 1 | Output is 0.9144 | Output is 0.9144 | passed |
| T14L | Yard to centimeters | Enter 1 | Output is 91.44 | Output is 91.44 | Passed |
| T15L | Sin function | Sin(90) | Output is 1 | Output is 1 | Passed |
| T16L | Cos function | Cos(90) | Output is 0 | Output is 0 | Passed |
| T17L | Tan function | Tan(0) | Output is 0 | Output is 0 | Passed |
| T18L | Cot function | Cot(0) | Output is infinity | Output is infinity | Passed |
| T19L | Co-secant function | Cosec(90) | Output is 1 | Output is 1 | Passed |
| TT20L | Secant function | Sec(45) | Output is 1.414 | Output is 1.414 | Passed |

Table3. Low level test plan.