**Test Plan**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Description** | **Precondition** | **Expected I/P** | **Expected o/p** | **Actual o/p** |
| **1** | Get input method | Accept the input from Key | Correct input | Will show the inputs in display | Displays |
| **2** | Math operation | Correct Calculation | Correct input  symbol as pressed  by user | Will do correct  calculation | calculates |
| **3** | Display | Display output | Proper display of output which  can be interpreted  by human | Will display results clear visibility | Display results |

**High Level Integrated Test Plan:**

**Low Level Integrated Test Plan:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected I/P** | **Expected o/p** | **Actual o/p** | **Result** |
| **1** | Addition | Enter 2 and 3 | 5 | 5 | passed |
| **2** | Subtraction | Enter 5 and 4 | 1 | 1 | passed |
| **3** | Multiplication | Enter 5 and 6 | 30 | 30 | passed |
| **4** | Division | Enter 6 and 2 | 3 | 3 | passed |
| **5** | Modulus | Enter 8 and 4 | 0 | 0 | passed |
| **6** | Factorial | Enter 5 | 120 | 120 | passed |
| **7** | Area of square | Enter 2 | 2 | 2 | passed |
| **8** | Area of rectangle | Enter 4 and 5 | 20 | 20 | passed |
| **9** | Volume of cone | Enter 5 and 6 | 82.89 | 82.89 | passed |
| **10** | Volume of cylinder | Enter 5 and 6 | 471.00 | 471.0 | passed |
| **11** | BMI | Enter 80 and 1.83 | 23.88 | 23.88 | passed |
| **12** | Temperature conversion  (F to C vice versa) | Enter 100 | 37.77 | 37.77 | Passed |
| **13** | Temperature conversion  (K to F vice versa) | Enter 298.706 | 78 | 78 | passed |
| **13** | Power | Enter 5 and 2 | 25 | 25 | passed |
| **14** | Log10 value | Enter 6 | 0.778 | 0.778 | passed |
| **15** | Log value | Enter 25 | 3.218 | 3.218 | passed |
| **16** | Exponential | Enter 4.5 | 90.01 | 90.01 | passed |
| **17** | Even/Odd | Enter 4 | 0 (even) | 0 | passed |