**Name: Sulaiman Pandit Time Taken to Complete: 5 hr**

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| --- | --- | --- | --- |
| **Measured Temp** | **Switch Position** | **Heat is on/off** | **Comments** |
|  |  |  |  |
|  |  |  |  |
| 20 | ON | ON | Heating is ON because  Measured Temp is less than 23 |
| 21 | ON | ON | Heating is ON because  Measured Temp is less than 23 |
| 22 | ON | ON | Heating is ON because  Measured Temp is less than 23 |
| 23 | ON | OFF | Heating is OFF because  Measured Temp is equal to 23 |
| 24 | ON | OFF | Heating is OFF because  Measured Temp is Higher  than 23 |
| 25 | ON | OFF | Heating is OFF because  Measured Temp is Higher  than 23 |
| 26 | ON | OFF | Heating is OFF because  Measured Temp is Higher  than 23 |
| 7 | OFF | OFF | Heating is OFF because  Measured Temp is Higher  than 5 |
| 6 | OFF | OFF | Heating is OFF because  Measured Temp is Higher  than 5 |
| 5 | OFF | OFF | Heating is OFF because  Measured Temp is equal to 5 |
| 4 | OFF | ON | Heating is ON because  Measured Temp is less than 5 |
| 3 | OFF | ON | Heating is ON because  Measured Temp is less than 5 |
| 2 | OFF | ON | Heating is ON because  Measured Temp is less than 5 |
| 1 | OFF | ON | Heating is ON because  Measured Temp is less than 5 |

**Thermostat:**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case Name | Pre Condition | Steps to Execute | Expected Result | Status | Comment(if any) | Executed QA Name |
| TC\_01 | Verify the Heating is ON while the Measured Temperature is 20 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 20 and  observe the Heating section | Heating is ON when the measured  Temperature is 20 |  |  |  |
| TC\_02 | Verify the Heating is ON while the Measured Temperature is 21 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 21 and  observe the Heating section | Heating is ON when the measured  Temperature is 21 |  |  |  |
| TC\_03 | Verify the Heating is ON while the Measured Temperature is 22 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 22 and  observe the Heating section | Heating is ON when the measured  Temperature is 22 |  |  |  |
| TC\_04 | Verify the Heating is OFF while  the Measured Temperature is 23 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 23 and  observe the Heating section | Heating is OFF when the measured  Temperature is 23 |  |  |  |
| TC\_05 | Verify the Heating is OFF while  the Measured Temperature is 24 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 24 and  observe the Heating section | Heating is OFF when the measured  Temperature is 24 |  |  |  |
| TC\_06 | Verify the Heating is OFF while  the Measured Temperature is 25 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 25 and  observe the Heating section | Heating is OFF when the measured  Temperature is 25 |  |  |  |
| TC\_07 | Verify the Heating is OFF while  the Measured Temperature is 26 | Switch Position have to ON | 1. Open Tharmostat Google sheet 2. Check Measured Temp 26 and  observe the Heating section | Heating is OFF when the measured  Temperature is 26 |  |  |  |
| TC\_08 | Verify the Heating is OFF while  the Measured Temperature is 7 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 7 and  observe the Heating section | Heating is OFF when the measured  Temperature is 7 |  |  |  |
| TC\_09 | Verify the Heating is OFF while  the Measured Temperature is 6 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 6 and  observe the Heating section | Heating is OFF when the measured  Temperature is 6 |  |  |  |
| TC\_10 | Verify the Heating is OFF while  the Measured Temperature is 5 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 5 and  observe the Heating section | Heating is OFF when the measured  Temperature is 5 |  |  |  |
| TC\_11 | Verify the Heating is ON while  the Measured Temperature is 4 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 4 and  observe the Heating section | Heating is ON when the measured  Temperature is 4 |  |  |  |
| TC\_12 | Verify the Heating is ON while  the Measured Temperature is 3 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 3 and  observe the Heating section | Heating is ON when the measured  Temperature is 3 |  |  |  |
| TC\_13 | Verify the Heating is ON while  the Measured Temperature is 2 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 2 and  observe the Heating section | Heating is ON when the measured  Temperature is 2 |  |  |  |
| TC\_14 | Verify the Heating is ON while  the Measured Temperature is 1 | Switch Position have to OFF | 1. Open Tharmostat Google sheet 2. Check Measured Temp 1 and  observe the Heating section | Heating is ON when the measured  Temperature is 1 |  |  |  |

**Margin Calculator:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VD(%)** | | **VC** | | **ED (%)** | | **EP** | | **MU** | |
| Inp | Calc | Inp | Calc | Inp | Calc | Inp | Calc | Inp | Calc |
| 40% | 200 |  | 120 | 10% | 200 |  | 180 | 50% | 180 |
| 10 % | 200 |  | 180 | 10% | 200 |  | 180 | 0% | 180 |

**Margin Calculator Test Case:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case Name | Pre Condition | Steps to Execute | Expected Result | Status | Comment(if any) | | Executed QA Name |
| TC\_01 | Verify that VAR Cost when List Price is 200  and VAR Discount is 40% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet  2. Check 1st row VAR cost section | VAR cost should be 120 when List price 200 and VAR Discount is 40% |  |  |  | |
| TC\_02 | Verify the End User Price when List Price is 200 and Discount is 10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 1st row End user price(EP) section | End-user price should be 180 when  List price 200 and Discount is 10% |  |  |  | |
| TC\_03 | Verify the Markup when List Price 200,  VAR discount 40% and End-user Discount  10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 1st row Markup(MU) section | Markup Price should be180 when  List Price 200, VAR discount 40% and End-user Discount 10% |  |  |  | |
| TC\_04 | Verify the VAR Profit when List price 200,  VAR discount 40%, End-user Discount 10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 1st row Markup(MU) section | VAR Profit should be show when List price 200,  VAR discount 40%, End-user  Discount 10% |  |  |  | |
| TC\_05 | Verify that VAR Cost when List Price is 200  and VAR Discount is 10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 2nd row VAR cost section | VAR cost should be 180 when List price 200 and VAR Discount is 10% |  |  |  | |
| TC\_06 | Verify the End User Price when List Price is 200 and Discount is 10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 2nd row End user price(EP) section | End-user price should be 180 when  List price 200 and Discount is 10% |  |  |  | |
| TC\_07 | Verify the Markup when List Price 200,  VAR discount 10% and End-user Discount  10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 2nd row Markup(MU) section | Markup Price should be180 when  List Price 200, VAR discount 10%and End-user Discount 10% |  |  |  | |
| TC\_08 | Verify the VAR Profit when List price 200,  VAR discount 10%, End-user Discount 10% | -Margin price have to calculate  First | 1. Open Margin Calculator  Google sheet 2. Check 2nd row Markup(MU) section | VAR Profit should be show when List price 200,  VAR discount 10%, End-user Discount10% |  |  |  | |