**Task 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#Test Case** | **Test Inputs** | | **Expected**  **Result** | **Actual**  **Result** | **Test Result**  **(Pass/Fail)** |
| **Admitted** | **Discharged** |
| 1 | 20 | 5 | 5 patients can be added to the next ward and the remaining can be added to this ward with more medical facilities | Move 5 patient to the next ward  Admit 10 patients to this ward, Request for more medical officers | pass |
| 2 | 62 | 10 | medical facilities are insufficient. | Insufficient medical facilities! | pass |
| 3 | 2 | 5 | All patients admitted without any issues | All patients admitted without any issues.  Ward is not in a critical stage | fail |
| 4 | 50 | 20 | 5 patients can be added to this ward, 10 patients can be added to the next ward and the remaining has to be moved to another hospital. | Move 15 patients to the next hospital  Move 10 patients to the next ward  Admit 5 patients to this ward, Request for more medical officers | pass |
| 5 | 40 | 38 | added to this ward. | Admit to this ward | pass |

**Table 1: Test cases to test the Ward Application.**

**Task 3**

|  |  |
| --- | --- |
| Statement Coverage |  |
| Decision Coverage |  |
| Path Coverage |  |

**Task 4**

|  |  |  |  |
| --- | --- | --- | --- |
| **#Test Case** | **Test Inputs** | | **Expected**  **Result** |
| **Admitted** | **Discharged** |
| 6 | 20 | 5 |  |
| 7 | 62 | 10 |  |

**Task 5**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#Test Case** | **Test Inputs** | | **Expected**  **Result** | **Actual**  **Result** | **Test Result**  **(Pass/Fail)** |
| **Admitted** | **Discharged** |
| 1 | 20 | 5 |  |  |  |
| 2 | 62 | 10 |  |  |  |
| 3 | 2 | 5 |  |  |  |
| 4 | 50 | 20 |  |  |  |
| 5 | 40 | 38 |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |