**Practical 7: Verify the operation of a counter(Asynchronous UP Counter).**

**3 bit Ripple up Counter**

|  |  |  |  |
| --- | --- | --- | --- |
| CLOCK | Q2 | Q1 | Q0 |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 1 |
| 2 | 0 | 1 | 0 |
| 3 | 0 | 1 | 1 |
| 4 | 1 | 0 | 0 |
| 5 | 1 | 0 | 1 |
| 6 | 1 | 1 | 0 |
| 7 | 1 | 1 | 1 |
| 8 | 0 | 0 | 0 |













