1. **Semaphores improper usage causes \_\_\_\_\_?**
2.  Deadlock
3.  Mutually Exclusive
4.  Race Condition
5.  Critical Section
6. **Which semaphore has restricted domain?**
7.  Binary
8.  Counting
9.  Decimal
10.  a & b
11. **Which operation works if semaphore value is equal to 1?**
12.  Wait
13.  Signal
14.  Hold
15.  Lock

4. **How the messages are exchanged in Message Passing?**

1.  Blocking
2.  Non-Blocking
3.  Synchronous & Asynchronous
4.  All Mentioned Above
5. **Inter Process Communication is involved in \_\_\_\_\_\_\_\_\_?**
6.  Independent Process
7.  Co-operating Process
8.  Determined Process
9.  Undetermined Process
10. **What provides the processes to manage data shared?**
11.  Operating System
12.  Kernel
13.  Program
14.  None
15. **What are the drawbacks of Semaphores?**
16.  Priority Inversion
17.  Modularity Loss
18.  Deadlock
19.  All Mentioned Above
20. **What condition should be satisfied to make Counting semaphore available?**
21.  Initial Count < 0
22.  Initial Count > 0
23.  Initial Count =0
24.  Initial Count ≤ 0
25. **What is the major issue of Semaphore in Inter Process Communication?**
26.  Busy Waiting
27.  Mutually Exclusive
28.  Race Condition
29.  Critical Section
30. **What are the methods through which processes communicate?**
31.  Shared Memory
32.  Message Passing
33.  Variable Passing
34.  a & b