

VII-047

Roll No. \_\_\_\_\_

Total Printed Pages : **2**

**07BEC106**

**B.TECH (ELECTRONIC & COMM. ENGG.)**

**VII SEM Examination, Dec.-2017**

**SUB : OPERATING SYSTEM**

Time : 3 Hours]

[Total Marks 60

Use of following supporting material is permitted during examination.

1. \_\_\_\_\_ Nil \_\_\_\_\_ Nil \_\_\_\_\_

Note: 1. Attempt any five questions.

2. Each question carry equal marks.

1. What is operating system? How operating system are as a resource allocator.
2. Discuss the types and responsibilities of operating system.
3. What is scheduling? Explain different type of scheduling in O.S. with example.

4. Differentiate round robin scheduling and first come first serve scheduling with example.
5. Define swapping with suitable example.
6. What is paging? Define demand paging. Explain the need of paging.
7. What do you understand by the Fermi firewall? Explain its need in present scenario.
8. Discuss semaphore in detail.
9. Define deadlock. Explain different deadlock prevention techniques.
10. What is synchronization? Explain the classical problems of synchronization.