

UNIT – 1

1. What is Operating System? Explain Its Types.
2. Difference between Monolithik and Micro kernel.
3. Explain Different functions of Operating System.
4. Explain Android software architecture with diagram.
5. Explain Batch operating system.
6. Explain Time Sharing operating system.
7. Draw and explain 5 state process model.
8. Explain goals of linux in operating system.
9. What do you mean by process? Draw process state transition diagram.

UNIT – 2

1. Differentiate between Thread and Process.
2. Explain Different Multi-threading model.
3. Explain what are user level and kernel level thread.
4. Explain Process Thread state Transition in linux operating system with diagram.
5. Explain different Android Application Component.
6. What is Critical Session Problem ? Explain in details.
7. Explain activity state transition diagram of Android operating system.
8. Explain Peterson solution to achieved mutual exclusion.
9. Define semaphore and explain.

UNIT – 3

1. What is Deadlock? Explain the deadlock problems.
2. Explain Ostrich method in details.
3. Explain Deadlock Prevention in details.
4. Explain Banker's Algorithm with example.
5. What is Memory management?
6. What is deadlock recovery?
7. Differentiate between Internal and External Fragmentation.