

(2)

Unit-II

2. (a) Discuss client server architecture with suitable example.
- (b) Explain preemptive and non-preemptive scheduling with example.
- (c) Write short notes on the following :
 - (i) JVM and 8086 mode
 - (ii) Inter process communication

Unit-III

3. (a) What is virtual memory? Explain implementation of virtual memory.
- (b) Discuss the implementation of file mapping.
- (c) Write short notes on the following :
 - (i) TLB
 - (ii) Swap space

Unit-IV

4. (a) What is Deadlock? Write the characterization of deadlock.
- (b) Describe deadlock avoidance and deadlock recovery.
- (c) What is safe state? Explain Banker's algorithm using an example.

(3)

Unit-V

5. (a) Explain virtual file system.
- (b) Describe network file system with example.
- (c) Write short notes on the following :
- (i) RPC
 - (ii) V-node architecture
- _____