

12. (a) (i) Explain about buffer pool. (7)
(ii) Explain the buffer allocation algorithm in detail. (9)

Or

- (b) (i) What is meant by a super block. Explain. (8)
(ii) Explain about disk block allocation. (8)

13. (a) Explain about pipes and special files in detail.

Or

- (b) Explain about linking and unlinking a file system.

14. (a) (i) Explain about process states and transitions in detail. (8)
(ii) Discuss about system boot and the INIT process. (8)

Or

- (b) Explain about growreg and loadreg algorithms in detail.

15. (a) Explain about swapping in detail.

Or

- (b) Discuss in detail the various memory management policies.