

Q.2 a. Briefly explain the LINUX distributions.

Answer: Page Number 5 of Text Book

Q.3 a. What are the different states within a process. Explain with chart of status within a process.

Answer: Page Number 14, 15 of Text Book

b. Differentiate between hardware interrupts & software interrupts.

Answer: Page Number 32, 33 of Text Book

Q.4 a. Describe how abstract process of virtual memory was introduced during the development of LINUX.

Answer: Page Number 67 of Text Book

b. How is memory allocated in the kernel segment during booting?

Answer: Page Number 72 of Text Book

Q.5 a. Explain different methods of locking entire files.

Answer: Page Number 98 of Text Book

b. Explain in detail the system V IPC.

Answer: Page Number 108 of Text Book

Q.6 a. Illustrate the link between the operating system kernel & the different file systems.

Answer: Page Number 132 of Text Book

b. Explain different file operations.

Answer: Page Number 148 of Text Book

Q.7 a. Explain polling and interrupt modes in detail.

Answer: Page Number 198 of Text Book

b. Discuss how buffer management is achieved in the network.

Answer: Page Number 207 of Text Book

Q.8 a. Explain different functional units which can be implemented as modules.

Answer: Page Number 268 of Text Book

b. What is kernel initialization & scheduling?

Answer: Page Number 278, 279 of Text Book

Q.9 a. Explain the network devices under LINUX.

Answer: Page Number 248 of Text Book

b. Explain the socket structure.

Answer: Page Number 236 of Text Book

TEXT BOOK

Linux Kernel Programming, M. Beck, H. Bome, etal, Pearson Education, 2nd Edition, 2001.