

Paper: Operating Systems Concepts

Code: INFO3102

Chapter: Introduction to Operating Systems

Full Marks: 75

1. How the from the user perspective and system perspective the definition of an operating system differs? Is there any similar point that these two definitions agree with? 5+5
2. Draw and discuss the general layered architecture of operating system. 5
3. "It is better to have distinct layers in an operating system to enhance security" – Justify. 5
4. List down the required features that should be incorporated according to you while designing operating system for the following type of devices: 5x7=35
 - a. Desktop Computers
 - b. Handheld devices
 - c. Embedded System
 - d. Mainframe Computers
 - e. Hard Realtime System
 - f. Soft Realtime System
 - g. Multimedia System
5. How Symmetric and Asymmetric multiprocessor system differs? 5
6. What is the difference between Multiprocessor System and Distributed System? 5
7. Compare between concepts of Multiprogramming, Multitasking, Multiprocessing and Time-Sharing Systems. 10