

CHAPTER 6

REAL TIME OPERATING SYSTEM

- 1) Explain the basics of real time operating system with its functions. [4]
- 2) What is kernel? Explain the types of kernels with merits and demerits. [2+4]
- 3) What are the services provided by Kernel? [4]
- 4) Differentiate between RTOS and GPOS. [4]
- 5) Differentiate between task, process and threads. [4]
- 6) Explain Process control block with its state diagram. [4]
- 7) What are the types of threads and differentiate between them? [4]
- 8) What is multitasking? Explain context switching along with diagram. [2+4]
- 9) Explain the types of multi-tasking. [4]
- 10) Explain various types of scheduling algorithm with appropriate examples. [4]
- 11) Explain task synchronization with different issues. [4]
- 12) Explain Coffman conditions favouring deadlock. [4]
- 13) What is device driver? Explain its functions. [4]
- 14) Explain various standards of threads. [4]