Time: **70** min   Max Marks: **20**

NOTE: NOTE: Attempt any four questions.

Q1   What are the five major activities of an operating system with regard to process   **5**
management?

Q2   How could a system be designed to allow a choice of operating systems from which to   **5**
boot? What would the bootstrap program need to do?

Q3   Draw process state diagram. Explain each sequence of process execution   **5**

Q4   What are two differences between user-level threads and kernel-level threads? Under   **5**
what circumstances is one type better than the other?

Q5   What are five main criteria for CPU scheduling?   **5**