

**Exam. Code : 110003**

**Subject Code : 2645**

**Bachelor of Vocation (Web Technology & Multimedia)**

**3<sup>rd</sup> Semester**

**OPERATING SYSTEM**

**Paper—302**

Time Allowed—3 Hours] [Maximum Marks—50

**Note** :— Attempt any *five* questions. Each question carries equal marks.

1. What is Deadlocks Prevention and Avoidance ? Also, define the methods for handling the deadlocks.
2. What is Preemptive and Non-Preemptive Scheduling ? Explain scheduling algorithms.
3. What is Operating System ? Explain types of Operating System.
4. What is PCB ? Explain about various fields of PCB.
5. What is a Virtual Memory ? Discuss the benefits of virtual memory technique.
6. What do you mean by Scheduling ? Explain disk scheduling algorithm.
7. Discuss the Operating System Structure. Describe the layers of the Kernel.
8. Discuss the procedure for handling the page fault in demand paging. 10×5=50