

Pune Vidyarthi Griha's
COLLEGE OF ENGINEERING, NASHIK – 4
COMPUTER ENGINEERING DEPARTMENT

Subject : FDS

ASSIGNMENT NO – 06

Unit : VI

1. Write pseudo C++ code to implement a **simple queue** using Array,
OR
Write pseudo C++ code to perform **insert and delete operation on linear queue**.
2. Write pseudo C++ code to implement Queue using Linked list.
3. Explain **Dequeue** with the insert and delete operations performed on it.
4. What is **Priority queue** ? Describe the **operations** on priority queue and explain its **applications**.
OR
Explain **priority queue**. Write **ADT** for priority queue and state its applications
5. Write pseudo C++ code to implement **circular queue** using array.
6. Explain **circular queue** using linked list. Write pseudo C code for enqueue operation.
7. Explain linear queue and circular queue with suitable example. Give the advantages of circular queue over linear queue.
8. Explain priority queue. Give pseudo C++ code for array implementation of priority queue.
9. Explain the **application of queue** in details.

***** **Best of Luck** *****