Subject : DSA	<u>**ASSIGNMENT NO – 05**</u>	**Unit : V**

1. Write pseudo C/C++ code to implement a **simple queue** using linked list.

   OR

   Write pseudo C/C++ code to perform **insert and delete operation on linear** queue.

2. Write pseudo C/C++ code to implement linked queue.

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/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/C++ code for array implementation of priority queue.

9. Explain the application of queue in details.

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

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