Answer the following Questions:

1. Define queue. Explain queue as an ADT.
2. Write down algorithm of implementing linear queue.
3. Write down differences between queue and stack.
4. Write function in C for enqueue and dequeue operation in linear queue.
5. What is the drawback of linear queue?
6. Write about circular queue with algorithm.
7. Write down applications of queue.
8. List different types of queue and explain priority queue.