- A circular queue is the extended version of a regular queue who is connected to the first element. The circular the circular description of the circular queue who is connected to the first element. The circular description of the circular queue who is connected to the first element. A circular queue is the the to the first element. The circular limitation of the normal queue queue solves the major limitation of the normal queue
- on What are the characteristics of the circular queue? What are the character of the pointers (remotions) in an all of the characters of th queues two panters (front & mon Front and rear pointers singintains the brides of the on Enqueue apploation Dequeue operation The circular behaviour inter Overflow and underflow the data structure has reached to Efficient operations
- 03. Give applications of circular queue.

capacity the next element will be the Front of the data stoucture Memory management - Ciocular queue is used in memory management Process scheduling - A CPU uses a queue to schedule processes Traffic system-circular queues are also used in Eraffic system

04. What is algorithm of circular queue? Initialize the queue Enqueue (insertion)

Dequeue (delection) Get the foont element Check if the queue is empty Check if the queue is full

05. Write a simple program of circular queues?

or Compase and contrast linear queue and circular queue. the manager has related and over a set transfer and the set that a manager and the

Linear queue

- · Requires more memory space.
- · Less efficient

· Fixed Size: The Orall

- . Not suitable for real time system where overflow can lead to data loss.
- . It arrange data in linear order.

Ciocular queue

Requires less memory space.

More efficient

Suitable for real time system where continuous data insertion is required.

It arranges data in circular order. sile, assessment and the standard and the standard and standard of the