**Unit – 8 Question from GTU old paper**

Explain asynchronous data transfer using timing diagrams.

**Unit – 9 Question from GTU old paper**

* What do you mean by address space and memory space in virtual memory? Also explain the relation between address space and memory space in virtual memory.
* Discuss associative mapping, set associative and direct mapping in organization of cache memory.
* How main memory is useful in computer system? Explain the memory address map of RAM and ROM.
* Explain Content Addressable Memory (CAM).
* Explain Following Term: Virtual Memory, Cache Memory, Associative Memory, Locality Reference, Auxiliary Memory

**Unit – 10 Question from GTU old paper**

Describe cache coherence problem and its solutions in detail.