TASKS

1. Outline the various desirable features of a good message passing system.
2. Outline the architectures used in the construction of distributed systems and the various models.
3. What are the desirable features for scheduling in resource management. What are the main mechanisms for process scheduling. Discuss in depth.
4. State some of the places where caching can be done in a distributed system, outlining their advantages and disadvantages. What is cache validation and how is it carried out in a DS.
5. What are some of the message ordering techniques in the message passing system of the DS. What are their merits and demerits.
6. Outline desirable features in the design of:
   1. DOS
   2. Message passing
   3. Resource management
   4. Process management
   5. Distributed file systems
7. Discuss the following concepts
   1. Load balancing
   2. Task assignment
   3. Load sharing
8. Differentiate between IPC and RPC hence highlight the need for RPC even though IPC exists.