

Sankalchand Patel College of Engineering, Visnagar
Computer Engineering Department

BE Computer Engineering (VIIIth Sem)

Sub: Distributed Systems (180701)

ASSIGNMENT - 1

Sr. No.	Assignment Questions
1	Differentiate monolithic kernel model and micro kernel model
2	Explain virtual uniprocessor
3	Compare processor pool model and workstation server model
4	What is non idempotent routine? How such routine creates problem with message passing? Also explain its solution with example.
5	What is failure in IPC? How can we handle them?
6	List various issues in message passing system. Explain any one.
7	Draw and explain RPC architecture.
8	What is a distributed system? How a distributed system projects a single system image?
9	What is the main difference between stateless and stateful servers? Which servers are used in distributed applications?
10	State the relative merits and demerits of the various process addressing mechanisms.
11	Distinguish different RPC communication protocols. Suggest one example where each protocol is used.
12	Discuss briefly the various issues related to distributed system design.
13	What is ordered message delivery? Compare the various ordering semantics for message-passing. Explain how each of these semantics is implemented.
14	How does a distributed operating system differ from a network operating system? Explain group communication mechanism.
15	What is ordered message delivery? Compare the various ordering semantics for message-passing. Explain how each of these semantics is implemented.