BE Semester- 7th (CE & IT) Question Bank

(Distributed Operating System)

All questions carry equal marks(10 marks)

Q.1	Explain the Evolution of Distributed Computing Systems.
Q.2	Briefly describes the issues in design of Distributed Systems.
Q.3	Write a short note on: Web based distributed model.
Q.4	Write a short note on: web based protocols.
Q.5	Explain Inter process Communication.
Q.6	Describe the Features of Good Message Passing Systems.
Q.7	Write short note on IPv6?
Q.8	What is the function of firewall? Explain?
Q.9	Explain about IP addressing, IP protocol and IP routing?
Q.10	Difference between synchronous and asynchronous communication?
Q.11	Difference between datagram and stream communication?
Q.12	Briefly explain about thread concept?
Q.13	Explain the Issues in IPC by Message.
Q.14	Explain the Encoding and Decoding of Message Data
Q.15	What is RPC? Explain the Transparency of RPC.
Q.16	Explain the implementations RPC mechanism.
Q.17	Define the terms related to RPC: a) Stub Generation b) RPC Messages c) Marshaling Arguments and Results
Q.18	Explain the different protocols of RPC.
Q.19	Explain the exception handling in RPC.
Q.20	Describes in details about the special types of RPC.
Q.21	Explain Distributed Shared Memory.
Q.22	Explain the design and implementation issues of Distributed Shared Memory.
Q.23	Explain the structure of shared memory space.
Q.24	Write a short note: 1) Event ordering 2) Mutual Exclusion
Q.25	Write Desirable Features of a good global scheduling algorithm.
Q.26	Explain Load Balancing approach in Distributed Shared Memory
Q.27	Define the following terms: a) Process Migration b) Threads

	c) Processor allocation
Q.28	Explain Real time distributed Systems.
Q.29	Explain Desirable Features of a good Distributed File Systems.
Q.30	Describe File shearing Semantics and file caching Schemes.
Q.31	Explain Sun's network file system.
Q.32	Give the comparison of NFS and AFS.
Q.33	Describe the Desirable Features of a Good Naming System.
Q.34	Write a short notes on directory services?
Q.35	Briefly explain about name services and domain name system?
Q.36	Give a brief description about logical time and logical clocks?
Q.37	Explain in detail about multicast communication?
Q.38	Write a short note on distributed mutual exclusion?
Q.39	How to control the concurrency in distributed system?
Q.40	Discuss about timestamp ordering?