

1	What are the basic types of IPC? Compare Connection oriented and Connection less IPC.
2	Discuss Different forms of computing
3	Explain stream mode socket API with key methods and constructor of socket class with suitable example .
4	Write a short note on XML
5	Compare and contrast following. (i) Message passing Vs. Distributed object paradigm. (ii) RMI Vs. CORBA
6	Compare and contrast Distributed, Parallel, Grid, Cloud and Cluster computing also give suitable example of each
7	Write a short note on CORBA.
8	Write a short note on SOAP
9	What is Servlet? Explain HTTP Request and Response that contains SOAP Request and Response with necessary code.
10	List and Explain Design Issues of DC
11	Using example explain object brokers
12	Discuss different paradigms for DCA
13	Explain Model View Controller Architecture
14	Using example Illustrates important characteristics of WSDL
15	Compare and contrast CORBA and Java RMI
16	Discuss different principles of IPC
17	Draw and explain the architecture of J2EE. Also list the major component and services of J2EE.
18	Draw and Explain servlet life cycle
19	Compare and contrast a local procedure call with a remote procedure call
20	Describe the three tier software architecture for client-server software. Explain the functionalities of each layer on each side. Why is it advantageous to encapsulate the logic of separate layers in separate software modules?
21	Explain Data encoding,
22	Explain Client callback
23	Explain Stub downloading
24	Explain RMI Security manager
25	Explain Instantiation of a Security manager in RMI
26	Explain Message passing vs distributed objects
27	Explain Archetypal distributed object architecture
28	Explain Remote procedure calls
29	Explain Java RMI architecture
30	Explain Mobile agent framework systems
31	Explain Message Queue system paradigm
32	Explain Archetypal IPC program interface
33	Explain Cache hit-rate model
34	Explain Cache coherency
35	Explain Static and Dynamic networks
36	Explain Strengths and weaknesses of distributed computing

37	Explain Event synchronization
38	Explain Timeouts and threading
39	Explain Deadlock
40	Explain Data representation

Gujarat University
Question Bank
Subject - Distributed Computing
Branch - Computer Engineering Semester -VIII