

17635

16172

3 Hours / 100 Marks

Seat No.

--	--	--	--	--	--	--	--	--

- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Assume suitable data, if necessary.

Marks

1. Attempt any FIVE :

20

- (a) State the basic concept of Remote procedure call.
- (b) Differentiate between Static v/s Dynamic remote invocation.
- (c) What is stream synchronization ?
- (d) What are threads ? Give the basic concepts of threads in distributed systems.
- (e) Mention the approaches to code migration.
- (f) What is DNS ? Give example.
- (g) State the concept of Grid computing.

2. Attempt any TWO :

16

- (a) Draw and explain the client-server architecture.
- (b) Mention and describe different layered protocols.
- (c) Mention and describe about the software agents in distributed system.

- 3. Attempt any TWO :** **16**
- (a) Define distributed system ? Describe the goals of distributed system.
 - (b) Explain servers general design issues of processes.
 - (c) What are the problems of unreferenced objects and how to remove it ?
- 4. Attempt any TWO :** **16**
- (a) Write a short note on :
 - (i) Homogeneous Multicomputer System.
 - (ii) Heterogeneous Multicomputer System.
 - (b) Describe how to locate mobile entities naming and also give home based approaches for the same.
 - (c) Describe different cloud deployment model.
- 5. Attempt any TWO :** **16**
- (a) Explain about RPC and RMI.
 - (b) Explain about client-side software for distribution transparency.
 - (c) Discuss the impact of cloud computing on users.
- 6. Attempt any TWO :** **16**
- (a) Describe about message-oriented and stream-oriented communication.
 - (b) Describe how processes migrate in heterogeneous system.
 - (c) Write a short note on SAas and PAas.
-