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B.E.6th Semester
MID SEMESTER EXAMINATION

Date : 3/3/2015
 Subject Code: CE 606-1 / IT 606-1
 Time : 12.00 PM to 1:30 PM

Branch : Computer Engineering
 Subject Name : Distributed Systems
 Max. Marks : 30

- Instructions:
- 1) All questions are **compulsory**.
 - 2) Figures to the **right** indicate full marks.
 - 3) Use of scientific calculator is permitted.
 - 4) Indicate **clearly**, the options you attempt along with its respective question number.
 - 5) Use the last page of main supplementary for **rough work**.
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- Q.1 (a) Discuss briefly the Transparency issue related to distributed system design. [5]
 (b) Explain in brief. Distributed System Models. [5]
 OR [5]
 (b) Write a short note on ATM.
- Q.2 (a) Explain any one of the following in detail. [5]
 (i) VMTP
 (ii) FLIP
 (b) Explain Client-Server Binding in brief. [5]
 OR
- Q.2 (a) Discuss the desirable features of a good message-passing system. [5]
 (b) Explain synchronization with respect to distributed systems. [5]
- Q.3 (a) What is failure in IPC? How can we handle them? [5]
 (b) Explain RPC implementation. Also explain various methods of generating stubs. [5]
 OR
- Q.3 (a) What is ordered message delivery? Compare the various ordering semantics for message-passing. Explain how each of these semantics is implemented. [5]
 (b) What is the main difference between stateless and stateful servers? Which servers are used in distributed applications? [3]
 (c) List down various call semantics used in RPC systems. Explain any two in brief. [2]

*****BEST OF LUCK*****