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B.E./B.Tech. DEGREE EXAMINATION, Nov/Dec 2017
Computer Science and Engineering
CS6601: DISTRIBUTED SYSTEM

Part A

1) **Define Transparency**

2) **List any two resources of hardware and software, which can be shared in distributed systems with example**

3) **What are the types of communication paradigm in distributed systems**

4) **Differentiate the persistent and non-persistent connections**

5) **Give the characteristic of peer to peer middleware**

6) **What is naming and locating facility**

7) **What are the techniques used to synchronize clocks**

8) **Write down the types of bully algorithm**

9) **What thread operations are the most significant in cost**

10) **What are the priority assignment policies**

Part B

11. A. **Write a brief note on each of the challenges of distributed systems(16)**

           Or

   B. **Elucidate the trends in distributed systems (16)**

12. A. **Explain in detail about the fundamental model of communication in distributed systems (16)**

           Or

   B. **Explain in detail the RPC architecture with the functionality of its Components (16)**

13 A. **Discuss about pastry algorithm in detail**

           Or

B. i) **Briefly discuss the file accessing models in distributed environment(16)**

ii) what is name cache and list out its types. Also discuss about the working   of LDAP (3+3)

14. A. i) Examine how mutual exclusion is handled in distributed system (8)

   ii) Examine briefly about global states(8)

   Or

15. A. Define threads, explain all multithreading models and thread issues

   Or

   B. list out the issues in load balancing algorithm. Discuss about any four policies of load balancing algorithm (16)