

## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- February 2018

B.Tech VIIth Semester

COURSE CODE: 17B1WCI811

MAX. MARKS:15

COURSE NAME: Mobile and Distributed Computing

COURSE CREDITS: 3

MAX. TIME: One Hr

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*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

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1. What are the characteristics of a distributed system? Explain transparency in detail. (2.0)
2. Describe the various models used to describe distributed systems? (3.0)
3. What are design issues to be considered while designing a distributed shared memory system? (2.0)
4. Explain Cristian's Algorithm and Berkeley Algorithm. (3.0)
5. What are the two main purposes for clock synchronization? What are the design requirements of a system to synchronize the clocks in a distributed system? (2.0)
6. Explain in detail with a diagram the steps in executing a Remote Procedure Call. (3.0)