

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- April 2018

B.Tech/ VIIIth Semester

COURSE CODE: 17B1WCI811

MAX. MARKS:25

COURSE NAME: Mobile and Distributed Computing

COURSE CREDITS: 3

MAX. TIME: 1.5 Hrs

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

1. A network can be : (2.5)
(a) fixed and wired (b) mobile and wired (c) fixed and wireless (d) mobile and wireless.
Explain each of them.
2. Explain in detail the three subsystems of GSM architecture. Express diagrammatically the GSM architecture. (5.0)
3. Why do cellular systems require handover procedures? What are the possible handover scenarios of GSM? (5.0)
4. Describe the various features of piconets. (5.0)
5. List the steps for a mobile originated call and mobile terminated call. (5.0)
6. What are the basic elements of an ATM system? Define the types of connections specified for asynchronous transfer mode. (2.5)