

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- Oct 2017

B.Tech/M.Tech VII/I Semester

COURSE CODE: 10M11CI113

MAX. MARKS:25

COURSE NAME: Advanced Database Systems

COURSE CREDITS: 3

MAX. TIME: One Hour Thirty Minutes

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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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- Q1. Explain various requirements of database transactions with example? [5 marks]
- Q2. What is two-phase locking protocol? Explain the issues with this protocol? [5 marks]
- Q3. Explain the deadlock handling techniques for database systems? [5 marks]
- Q4. Explain the shadow paging? [5 marks]
- Q5. How recovery can be performed in case of concurrent transactions, with an example? [5 marks]