JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- Oct 2018

B.Tech VII Semester

Abhilash Shukla

COURSE CODE: 10B13CE744   MAX. MARKS:25

COURSE NAME: Advanced Concrete Technology

COURSE CREDITS: 3   MAX. TIME: One Hour Thirty Minutes

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

1. What do you understand by self compacting concrete? Explain the different tests performed for self compacting concrete for specific properties measured.

2. Define static and dynamic modulus of concrete. Explain how static and dynamic moduli of concrete are measured.

3. What do you understand by fibre as a flaw in concrete? Explain how to normalize the strength when we have specimen of different sizes.

4. Explain the different fracture models available in concrete with diagrams.

5. Write a short note on the damage assessment of fractured fibre reinforced concrete.