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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- February 2019

B.Tech VII Semester

COURSE CODE: 10B13CE744

MAX. MARKS: 15

COURSE NAME: Advanced Concrete Technology

COURSE CREDITS: 3

MAX. TIME: One Hour

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

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1. What is the significance of using mineral admixtures in concrete?
2. Write a short note on hydration reaction of cement and the different bogue compounds.
3. How would you like to improve concrete workability (fluidity or cohesiveness)?
4. What is the mechanism for water reducers, air entraining agents, and setting control admixtures?
5. Discuss the measures that can reduce the bleeding of concrete.