

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- September 2018

B.Tech VIII Semester

COURSE CODE: 12M1WCE231

MAX. MARKS: 15

COURSE NAME: Prestressed Concrete Design

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. Explain the principle of prestressing?
2. What is meant by tendons?
3. Why high strength concrete is necessary for prestress?
4. What are the various systems of prestressing?
5. Why mild steel cannot be used in prestressing?