

Neeraj Singh Paniker

**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT**

**TEST-1 EXAMINATION- AUG -2018**

**M.Tech I Semester**

COURSE CODE: 10M11CE111

MAX. MARKS: 15

COURSE NAME: CONSTRUCTION TECHNIQUES

COURSE CREDITS: 03

MAX. TIME: 1.5 HR

---

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

---

1. Describe the procedure of marking and construction of a shallow foundation of a building in detail. How these foundations can be made damp-proof? [5]
2. Define the steps in sequence of construction for erection of a building column. [3]
3. Mention the various precautionary measures adopted by a civil engineer while placing a concrete. [2]
4. Explain the challenges faced during construction and design of Burj Khalifa along with the adopted solutions by the engineers. [5]