

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-2 EXAMINATION- OCTOBER -2018

M.Tech I Semester

COURSE CODE: 10M11CE111

MAX. MARKS: 25

COURSE NAME: CONSTRUCTION TECHNIQUES

COURSE CREDITS: 03

MAX. TIME: 1.5 HR

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

1. Define the major components of a concrete frame and their function. Also explain the different connections used in a R.C. frame structure.
2. Describe the various precautionary measures taken while placing the reinforcements and providing beams and columns in a RC framed structure.
3. What are the requirements of a good formwork? How can the economy be achieved while using a formwork?
4. Mention the factors affecting choice of a flooring. Also give a brief description of 'marble flooring' and 'stone flooring'.
5. Give an overview of the challenges faced during design and construction of 'Capital Gate Dubai' along with their suggested solutions.