

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- December 2017

M.Tech (I)

COURSE CODE: 10M11CE111

MAX. MARKS: 35

COURSE NAME: Construction Techniques

COURSE CREDITS: 03

MAX. TIME: 2 Hrs

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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 about the support structures required for heavy equipments and conveyors.
2. Explain the various types of compaction equipments with their applications and advantages.
3. Define tunneling. Explain in detail about the different tunneling methods.
4. Explain the construction techniques for bridge decks in detail.
5. Describe in detail about the erection of light weight components on tall structures.
6. What are operations involved in open caisson method of foundation.
7. Write the situations under which pile foundation is recommended. Write the essential features of a pump to be used for dewatering. Describe the various methods employed to bring a tilted well to position while constructing a well foundations.