

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- Feb 2018

M.Tech 4<sup>th</sup> Semester

COURSE CODE: 10M13CE432

MAX. MARKS:15

COURSE NAME: Construction Method Improvement

COURSE CREDITS: 3

MAX. TIME: One Hr

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*Note: Attempt any three questions. Question no. 2 and 3 is compulsory.. Carrying of mobile phone during examinations will be treated as case of unfair means.*

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1. What are the characteristics of a good formwork? Explain the procedure of tunnel formwork in detail with the help of net sketches. (8)
2. What are the advantages and disadvantages of prefabricated formwork? (3)
3. Make a list of different reasons for failure of formwork. Suggest different safety precaution in order to avoid failure. (4)
4. What do you understand by compaction of concrete? Make a list of different methods of compaction. Explain internal and external methods of compaction in detail with the help of suitable diagram. (8)