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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- May 2018

M.Tech 4th Semester

COURSE CODE: 10M13CE432

MAX. MARKS: 35

COURSE NAME: Construction Method Improvement

COURSE CREDITS: 3

MAX. TIME: Two Hr

Note: Attempt All the Questions. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. (a) What are the different models of productivity? Explain in detail. (5)
(b) What do you understand by productivity benchmarking? Also define different types of benchmarking. (5)
2. What do you understand by trenchless technology? How is it beneficial in construction work? (5)
3. (a) Make a list of advantages and disadvantages of mixer in construction work? (4)
(b) What are the different factors which are required to take care of during the compaction of concrete with the help of vibrators? (4)
4. (a) Specific gravity of most of the aggregates fall in the range between and that of most of the cement is in between (1)
(b) Sizes of Sheeting for slabs, beam, column side and beam bottom is, for joints, ledge is.....and joint is (2)
(c) Make a list of different tolerance value specified in IS 4925 for batching. (3)
5. What are the different methods of transportation of concrete? Explain in detail. (6)