

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -1 EXAMINATION -2015
M.TECH I / B.TECH VII SEMESTER

COURSE CODE: 10M11CE111

MAX. MARKS: 15

COURSE NAME: CONSTRUCTION TECHNIQUES

COURSE CREDITS: 03

MAX. TIME: 1 HR

Note: All questions are compulsory. Draw figures and sketches to illustrate your answers.

Assume missing data suitably if required. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. What are the advantages of using form liner? 2
2. Explain the importance of mixing time of concrete. 2
3. Find the minimum weight of aggregates weighed to which batching tolerances shall apply as per IS: 4925-1968, if the scale capacity is 100kg. 2
4. Find the Lateral Pressure of concrete by UK formula for the wall of size 15m x 3m x 0.25m. Assume Rate of pour is 10 cum/hr. and slump 75 mm. 3
5. Write short notes – 6
 - (i) Under water concreting
 - (ii) Tilt up construction
 - (iii) Construction joint