

## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- APR- 2018

M.Tech II Semester

COURSE CODE: 10M11CE212

MAX. MARKS: 25

COURSE NAME: Heavy/ Civil Construction Equipment, Methods and Management

COURSE CREDITS: 3

MAX. TIME: 1.5Hr

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

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**Q1.** Write short notes on [CO1,CO2] (2.5×4=10)

- a) Wheel type trenching machine
- b) Steel wheel rollers
- c) Pneumatic tire rollers
- d) Dump trucks

**Q2.** Define Hauling equipment. Describe different methods for dumping the load [CO2] (4)

**Q3.** List the commonly used equipments for the excavation of earth. What are the advantages of two and three wheel type tractor? Discuss gradability of tractors. [CO2] (4)

**Q4.** "Scraper is an example of combination of excavator and a mover" Explain. Discuss different types of scrapers. What are the factors affecting output of Scrapers? [CO2] (4)

**Q5.** Enumerate advantages and disadvantages of Line and Staff Organization [CO1] (3)