

B.Tech. SEM -IV (Civil) 2014 Course (CBCS) : WINTER - 2018
SUBJECT: CONSTRUCTION TECHNIQUES AND MACHINERY

Day : Friday
Date : 16/11/2018

W-2018-2335

Time : 02.30 PM TO 05.30 PM
Max. Marks: 60

N. B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) draw neat and labeled diagram **WHEREVER** necessary.

-
- Q.1 What are advantages and disadvantages of highrise structures? (10)
- OR**
- Q.1 Explain in detail following types of construction- (10)
a) Light Duty b) Medium Duty c) Heavy Duty
- Q.2 What are different pile driving techniques? Explain in detail. (10)
- OR**
- Q.2 Write a brief note on Negative Skin Friction. (10)
- Q.3 Write a brief note on- (10)
a) Shotcreting b) Gunieting
- OR**
- Q.3 What are different Precast Techniques? Explain in detail. (10)
- Q.4 What are different factors affecting the selection of earth moving machine? (10)
Explain in detail.
- OR**
- Q.4 Explain following equipments with its use, output and economics. (10)
a) Bull Dozers b) Rippers
- Q.5 What are the different hauling equipments? (10)
- OR**
- Q.5 Discuss various types of conveying equipments. Draw a neat and labeled (10)
sketch of any one conveying equipment.
- Q.6 Explain in detail Electro-osmosis Method with neat labeled diagram. (10)
- OR**
- Q.6 What are different types of Pavers? Give uses of each. (10)

* * * *