

B.Tech. SEM -IV (Civil) 2014 Course (CBCS) : SUMMER - 2019
SUBJECT: CONSTRUCTION TECHNIQUES AND MACHINERY

Day : Thursday
Date : 30/05/2019

S-2019-2600

Time : 10.00 AM TO 01.00 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.
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Q.1 Explain in detail the scope of Infrastructure in India. **(10)**

OR

Q.1 What is necessity of mechanization in construction industry? **(10)**

Q.2 Draw a neat sketch of Pneumatic Caisson. Label the important parts and explain functions of all parts. **(10)**

OR

Q.2 Explain necessity and use of special types of Formworks. **(10)**

Q.3 What precautions are to be taken during placing of concrete in hot and cold weather conditions? **(10)**

OR

Q.3 Write a detailed note on Precast Techniques. **(10)**

Q.4 Draw a neat labeled sketch of- **(10)**
a) Drag line b) Scrapper.

OR

Q.4 What is importance of keeping records of machineries? **(10)**

Q.5 What are various factors affecting the selection of hoisting equipments? **(10)**

OR

Q.5 What are the different types of Crushers? **(10)**

Q.6 Explain in detail with neat labeled sketch Well Point Method for Dewatering. **(10)**

OR

Q.6 Explain different types of Pumps and their uses. **(10)**

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