

BE (Seventh Semester)
Civil Engineering
Construction Equipments and Techniques - 320744(20)
2015 - Winter Session , New Scheme

Chapter 1

- | | | |
|---|---|---|
| 1 | Define Dredging. | 2 |
| 2 | Describe an excavating equipment in detail with neat sketch. | 7 |
| 3 | Write short notes on :
(a) Tunneling
(b) Grouting | 7 |
| 4 | Explain various types of pumps used in construction industry. | 7 |

Chapter 2

- | | | |
|---|--|---|
| 1 | What do you mean by Concrete Pump? | 2 |
| 2 | Explain various types of crushers with neat sketch. | 7 |
| 3 | Describe a batching plant with neat sketch. | 7 |
| 4 | Write short notes on following :
(a) Screening Equipment
(b) Hauling Equipment | 7 |

Chapter 3

- | | | |
|---|---|---|
| 1 | Define diaphragm wall. | 2 |
| 2 | Write the purpose of Caissons and Cofferdam. Explain method of Caissons-sinking with neat sketch. | 7 |
| 3 | Explain Box Jacking and Pipe Jacking System in brief. | 7 |
| 4 | Write short notes on :
(a) Sheet Piles
(b) Dewatering in civil field | 7 |

Chapter 4

1	Define Tremix Concrete.	2
2	Explain Concrete Pouring Technology.	7
3	Describe the Suspended form work erection technique of high structures.	7
4	Write short notes on : (a) Construction with membrane (b) Rigging operation of Transmission Lines.	7

Chapter 5

1	Define Mud Jacking.	2
2	Explain micropiling for floors.	7
3	Describe demolition operation technique and its importance.	7
4	Write short notes on the following : (a) Underpinning (b) Subgrade water profiling.	7