



10CT74

Seventh Semester B.E. Degree Examination, Dec.2019/Jan.2020  
**Construction Methods and Equipments**

Time: 3 hrs.

Max. Marks:100

**Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.**

**PART – A**

- 1 a. Define construction planning and explain the importance of planning. (10 Marks)  
b. Briefly explain the classification of construction equipments. (10 Marks)
- 2 a. Explain basic parts and operation of tractors. (10 Marks)  
b. Briefly explain the operation of power shovel. (05 Marks)  
c. Explain the classification of clamshells. (05 Marks)
- 3 a. Write a note on types of dredging. (10 Marks)  
b. What are the factors affecting the selection of drilling equipment? (10 Marks)
- 4 a. List out the types of compacting equipment and explain any two. (10 Marks)  
b. Define foundation grouting. Explain the purpose of grouting. (10 Marks)

**PART – B**

- 5 a. What are the factors selecting construction pump. (10 Marks)  
b. List out the pumping equipment used in construction and explain any two. (10 Marks)
- 6 a. Explain different types of dewatering. (10 Marks)  
b. Write a short note on pile driving equipments. (10 Marks)
- 7 a. Explain the classification of crushers. (10 Marks)  
b. Briefly explain the types of screening used in the production of aggregate. (10 Marks)
- 8 Write a short notes on :  
a. Hauling  
b. Pouring equipment  
c. Handling equipments. (20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.