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10CT74

Seventh Semester B.E. Degree Examination, June/July 2019
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. Classify construction equipments based on the purpose. (10 Marks)
b. Enumerate a general safety programme that has to be followed in construction industry. (10 Marks)
- 2 a. List out various factors which affects the output of power shovel and mention various methods of improving the same. (10 Marks)
b. Write a note on:
i) Hoe
ii) Clamshells. (10 Marks)
- 3 a. Write a note on wheel type and ladder type trenching machines. (10 Marks)
b. Classify different types of drills based on operation. Explain any two in detail (10 Marks)
c.
- 4 a. List and explain any two equipments used for compaction. (10 Marks)
b. Explain the purpose of grouting and list out various materials used in foundation grouting. (10 Marks)

PART – B

- 5 a. Classify pumps used in construction projects and explain any two. (10 Marks)
b. With neat sketches, explain any two methods of dewatering. (10 Marks)
- 6 a. Classify Dewatering methods and explain any two in brief. (10 Marks)
b. How do you classify pile driving equipment? Explain any two in detail. (10 Marks)
- 7 a. Write a note on Jaw crusher and gyratory crusher with a neat sketch. (10 Marks)
b. Explain the purpose of scanning and how the process of processing is done in an crushing plant? (10 Marks)
- 8 With a neat flow chart list various equipments used for production of concrete and explain about any two process brief with an example. (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.