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10CT74

Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019
Construction Methods and Equipments

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting at least TWO full questions from each part.

PART – A

- 1 a. Write a note on classification of construction equipments. (10 Marks)
b. List out various factors to be considered in selection of construction equipments. (10 Marks)
- 2 a. Write a note on classification of bulldozers. (10 Marks)
b. Enlist various factors affecting the output of powershowel and the methods of improving the same. (10 Marks)
- 3 a. Classify Trenching equipments and factors to be considered for trench safety. (10 Marks)
b. List various factors affecting selection of drilling equipments and explain. (10 Marks)
- 4 a. Classify compaction equipments and explain any two. (10 Marks)
b. What is the purpose of grouting and write a note on rate of grouting. (10 Marks)

PART – B

- 5 a. List various factors to be considered in selection of construction pumps. (10 Marks)
b. Explain the working principle of centrifugal pump. (10 Marks)
- 6 a. Classify dewatering equipments and explain any two. (10 Marks)
b. Classify hauling equipments and explain any two types. (10 Marks)
- 7 a. With a neat flow chart explain production process of aggregates. (10 Marks)
b. Write a note on secondary crushers. (10 Marks)
- 8 Write short note on following:
a. Mixers
b. Compaction of concrete
c. Dragline
d. Tertiary crushers (20 Marks)

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