CBCS SCHEME

15CT74

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

Time: 3 hrs.   Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1 a. Briefly explain construction economy. (06 Marks)
   b. Explain the classification of equipments. (10 Marks)

OR

2 a. What do you mean by depreciation analysis? Explain briefly. (08 Marks)
   b. Explain the steps involved in selection of construction equipments. (08 Marks)

Module-2

3 a. Briefly explain the operation of tractors. (08 Marks)
   b. Write a short note on types of scrapers and its application. (08 Marks)

OR

4 a. With a neat sketch, explain dragline with basic parts. (08 Marks)
   b. Explain the types of blades used in bulldozer. (08 Marks)

Module-3

5 a. Write a note on types of dredger. (08 Marks)
   b. Define trenching and explain trench safety. (08 Marks)

OR

6 a. What are the factors affecting selection of drilling equipments? Explain briefly. (08 Marks)
   b. Explain the types of explosives used in blasting. (08 Marks)

Module-4

7 a. List out the materials used in grouting and explain briefly. (08 Marks)
   b. Write a note on any 4 types of compacting equipment used in construction work. (08 Marks)

OR

8 a. What are the factors affecting selection of construction pump? (08 Marks)
   b. Write a short note on de-watering. (08 Marks)

Module-5

9 a. Briefly explain box pushing technology. (08 Marks)
   b. Write a short note on Trenchless technology. (08 Marks)

OR

10 Briefly explain micro tunneling and pipe jacking. (16 Marks)

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