

GBCS SCHEME

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15CT74

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

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Write a note on classification of construction equipment. (08 Marks)
b. Explain construction planning and importance of planning. (08 Marks)

OR

- 2 a. Write a short note on : (i) Owning cost (ii) Construction economy (08 Marks)
b. Explain the selection of construction equipment. (08 Marks)

Module-2

- 3 a. Explain the factors which affect the output of power shovel. (08 Marks)
b. Define scrapers. Explain working mechanism of scrapers. (08 Marks)

OR

- 4 a. With a neat sketch explain working process of drag line. (08 Marks)
b. Write a note on tractors. (08 Marks)

Module-3

- 5 a. List the various factors affecting selection of drilling equipment. (08 Marks)
b. Write a note on types of explosive. (08 Marks)

OR

- 6 Write a note on :
a. Dredging equipment (08 Marks)
b. Trench safety (08 Marks)

Module-4

- 7 a. List out various types of compaction equipment and explain any two in brief. (08 Marks)
b. What is foundation grouting? Explain materials used for grouting. (08 Marks)

OR

- 8 a. List out the factors affecting the selection of pump. (08 Marks)
b. With a neat sketch explain centrifugal pump in brief. (08 Marks)

Module-5

- 9 a. Write a short note on Trenchless technology with advantages. (08 Marks)
b. Explain box pushing technology. (08 Marks)

OR

- 10 Write a short note on :
(i) Pipe Bursting (ii) Pipe Jacking (iii) Micro Tunneling. (16 Marks)

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.