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.

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Module-1			
1	a.	Briefly explain construction economy.	(06 Marks)
1	b.	Explain the classification of equipments.	(10 Marks)
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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	(00 Mayles)
4	a.	With a neat sketch, explain dragline with basic parts.	(08 Marks) (08 Marks)
	b.	Explain the types of blades used in bulldozer.	(00 Marks)
Module-3			
5	0	Write a note on types of dredger.	(08 Marks)
5	a. b.	Define trenching and explain trench safety.	(08 Marks)
	υ.	Define trenening and explain trenen sures.	
		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	Trans our resource — Marian a
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)
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		OR	(08 Marks)
8	a.	What are the factors affecting selection of construction pump?	(08 Marks)
	b.	Write a short note on de-watering.	(00 Marks)
Module-5			
9	a.	Briefly explain box pushing technology.	(08 Marks)
9	b.	Write a short note on Trenchless technology.	(08 Marks)
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OR			
10		Briefly explain micro tunneling and pipe jacking.	(16 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.