Total No. of printed pages = 5

END SEMESTER EXAMINATION-2019

Semester - 6th

Subject Code : CT-611 ENTRAL INS

CONSTRUCTION METHODS AND MACHINERY

Full Marks - 70

Time - Three hours

The figures in the margin indicate full marks for the questions.

Instructions:

- 1. All questions of PART-A are compulsory.
- 2. Answer all questions from PART-B.

PART - A

Marks - 25

- 1. Choose the correct answer from the options given below the statement: $1 \times 10=10$
 - (i) Construction economy is a responsibility of
 - (a) Engineers
- (b) Contrators
- (c) Both (a) and (b)
- (d) Client

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- (ii) Which of the equipment? following is a hauling
- (a) Tractor
- (b) Bull dozer
- (c) Scraper
- (d) Cranes
- (iii) The compaction process can be accomplished by --- process.
- (a) Rolling
- (b) Tampering
- (c) Vibration
- (d) All of the mentioned
- (iv) Air compressure is a device where air pressure is _ CENTRAL LIBRARY
 - (a) Above atmospheric pressure
- (b) Below atmospheric pressure
- (c) Below absolute pressure
- (d) Above absolute pressure
- (v) Which of the following is vulnerable to earthquake loading?
- (a) Welded joints
- (b) Riveted joints
- (c) Bolted joints
- (d) All of the mentioned
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- (vi) atmospheric pressure is the pressure relative to
- (a) Atmospheric pressure
- (b) Gauge pressure
- (c) Absolute pressure
- (d) All of the mentioned
- (vii) Which of the following equipment is necessary for major construction project?
- (a) Special equipment
- (b) Standard equipment

TECHNOLOGY

- (c) All of the above
- (d) None of the above

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- (viii) Which of the following equipment is used for transporting materials?
- (a) Hauling equipment
- (b) Hoisting equipment
- (c) Excavating equipment
- (d) None of the above

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80/CT-611/CM&M (4) 70(W)	Which machine is used in compacting the surface of road?	Mention two uses of air compressor. 2	(e) Write the name of two equipments which are used in erecting steel structures.	(d) What is job layout?	(c) What is quality control of concrete?	Why delayed setting is necessary in concreting in cold weather?	Why temperature of concrete ingredients should be controlled while doing concreting * in hot weather?	(a) Cranes (b) Hoists (c) Truck (d) Winches.	(x) Which of the following is not a major equipment for erecting steel structures?	(d) None of the above	(c) Before acquisition of land	(b) Post-tender	(a) Pre-tender	(ix) Tenders are invited in —— stage.
80			y m²	6.		5.	SBIRT	12						
80/CT-611/CM&M			special equipments?	What are the			factors governing project.	(b) What is con duties of an respect to co	What is project				Vhat is s	(h) What is he
(5)			ts?	differences between standard and		What is a framed structure? Explain how placing of concrete in cold and hot weather can be done.	Why job layout is necessary? Explain the various factors governing the job layout of a construction project. 3+7=10	What is construction economy? What are the duties of an engineer and a contractor with respect to construction economy? 1+10=11	the cost involved in the construction?	Marks – 45	PART - B	•	special equipment?	hoisting equipment ?
70(W)			5	ndard and	5+10=15	w placing be done.	the various onstruction 3+7=10	That are the ractor with 1+10=11	onstruction 4			١	.	-