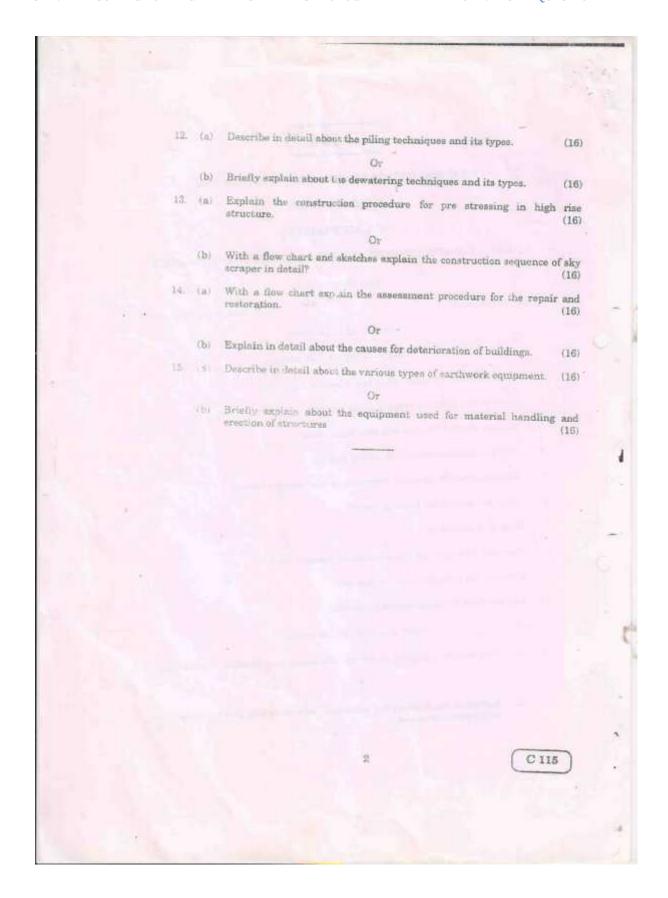
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		B.E./B.T	ach DECIDER PULLSTON		
			och. DEGREE EXAMINATION THIRD SEMESTER		
			CIVIL ENGINEERIN		
	3	CE 1204 — CONST	RUCTION TECHNIQUES, EQ		
				JIPMENT AND PRACTICES	
	Tu	me : Three hours	(Regulation 2007)		
			Answer ALL questions	Maximum : 100 marks	
			PART A — (10 × 2 = 20 ma		
	10	Explain about ex	pansion joint and where it is pr		
	2:		trent types of stone masoury.	ovided.	
	3.		fferdam and give it purposes.		
	4.		t tenhniques of box jacking	7	
	5.		e erection procedure of transmis		- 13
	6.		cial forms of shells?	atun towers.	
	7.	Define rehabilitati			
	8.		es for deterioration of maconry		
0	591		tions of sarth movers?	vota:	
	10.		iging and its purposes.		
			PART B (5 × 16 = 80 mark)		-
	11.	(a) With sketches	a, Explain about the fabrication		1
			Or	and graction of steel truss. (16)	
		(b) Explain in de- construction i	tail about the seems to	a of slip forms and also the	
				1100	

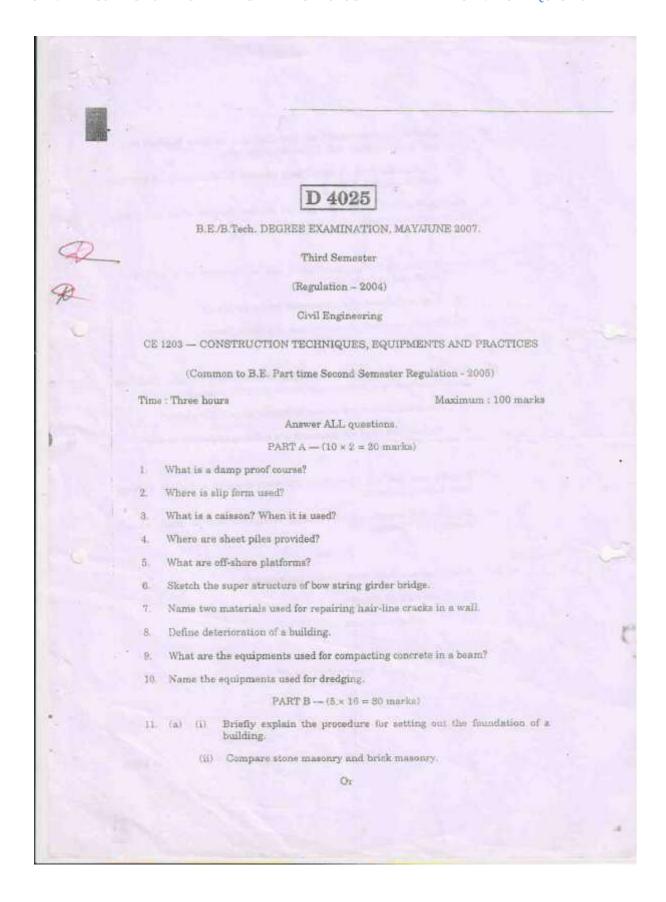


	Reg. No. :	
	C 3135	
	B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2008.	
	Third Semester	
	(Regulation 2004)	
0	Civil Engineering	
	CE 1203 — CONSTRUCTION TECHNIQUES, EQUIPMENT AND PRACTICES	
	(Common to B.E. (Part-Time) Second Semester Regulation 2005)	
	Time : Three hours Maximum : 100 marks	
	Answer ALL questions.	
	PART A — (10 × 2 = 20 marks)	
	L. Mention the types of mortars used in stone masonry.	
	2. Define Thermal damping.	
	3. What is meant by pipe jacking?	U
	4. What is under-pinning	
	<ol> <li>Give the names of any two equipments necessary for sreeting light weight components on tall structures.</li> </ol>	
	6. What is meant by articulated structures?	
	<ol> <li>What are the factors governing the durability of R.C. atructures?</li> </ol>	
	8. Mention any two methods of restoring damaged R.C. Columns.	
	9. Mention the names of any two squipments necessary for pile driving.	
	10. Define Tronching.	

				PART B (5 × 16 = 80 marks)	
		3.7	in	Classify various types of stone masonry. Draw typical sketches to illustrate the same.	42
				Or	
			(6)	Explain various methods of sound insulation through the wall of a hall.	
		12	(a)	With the help of a nest sketch, explain the method of sinking a -	
				Or	
			(b)	What do you understand by Shoring? Describe in brief various types of shores.	
	2	13.	(n)	Compare the merits and demerits of various types of shells.	
				Or	
			(b)	Explain the process of erecting transmission towers with sketches.	
		14.	(n)	Discuss the factors causing building damage and deterioration.	
				Or	
			(b)	Explain the method of strengthening damaged R.C. slabs using fibre reinforced plastic sheets, with sketches.	
		15.	(0.)	Discuss the various factors governing the selection of equipment for earthwork.	
				Or	
			(b)	Compare the merits and demerits of conventional method and modern method of srection of structures.	
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12-10   Reg. No.: 99610103638
Question Paper Code: 21198
B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.
Third/Sixth Semester
Civil Engineering
CE 2203/CE 36/CE 1204 A/080100011/10111 CE 601 — CONSTRUCTION TECHNIQUES, EQUIPMENT AND PRACTICES
(Regulation 2008/2010)
Time : Three hours Maximum : 100 marks
Answer ALL questions.
PART A — $(10 \times 2 = 20 \text{ marks})$
1. What are the methods of compacting concrete?
2. Mention any four Destructive methods of testing concrete.
3. Write short notes on construction joints.
4. What is meant by scaffolding?
5. What are the two types of anchoring system for the cable in case of suspension bridge?
6. Define shoring for deep excavation.
7. Write short notes on offshore platform.
8. What is the necessity of space decks?
9. List out the equipments used for dredging and trenching.
and the state of t

10	5			
10	1	DADT D 45 10 00		
		PART B — $(5 \times 16 = 80 \text{ marks})$		
11	(n)	Describe the dry process of cement manufacturing with neat		
			(16)	
	(b)	Briefly applies at		
		Briefly explain the various types of cement, grades a characteristics.	nd their (16)	
12.	(a)	Briefly explain with neat sketches about		
		(i) Concrete hollow block masonry	(6)	
		(ii) Domes	(4)	
		(iii) Sequence of construction activities.	(6)	
		Or	100	
	(b)			
		Briefly explain different types of stone masonry in building const	ruction. (16)	
13.	(a)	Discuss briefly different types of coffer dams with neat sketches.		
	5547		(16)	
		Or		
	(b)	Describe with neat sketch about the technique of pile driving.	(16)	
14.	(n)	Discuss the process of in-situ prestressing in high rise structures.		
			(16)	
		Or		
	(b)	Describe the procedure involved in the erection of braced don space decks.	nes and (16)	
15.	(n)	Explain the factors governing the selection of equipment for earth		
		a equipment for earth	(16)	
		Or		
	(b)	Mention various types of earthwork equipments and also give their		
		The the the the	(16)	
		2	21198	
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			(p)	(i) How is a construction joint provided in a building finished at the roof level? Explain with necessary sketches.	
				(ii) Explain the method scaffolding adopted for plastering an exterior wall of a higher floor.	-
		12.	(a)	Explain the bex jacking technique for the construction of an under pass below a railway track.	
				Or	
			(b)	(i) Explain the steps involved in the construction of a cast-in-situ reinforced concrete pile.	
				(ii) How is the cable of a suspension bridge anchored?	
		13.	(a)	Describe the sequence of construction of a cooling tower.	0
-				Or	
			(b)	Explain how is in-situ post tensioning of a structure is done. What are the precautions to be taken while carrying out the process?	
		14.	(8)	(i) What are the various causes of deterioration of a building?	
				(ii) Explain how good maintenance of a building increases its life?	
				Or	
			(5)	Explain how you will strengthen the main beam of a Madras Terrace Roof, Explain in detail.	
		15.	(a)	Describe the working of pile driving equipment with a simple sketch showing the operation.	
				Or	
			(b)	Briefly explain about the following equipments:	
				(i) Trenching equipment.	
				(ii) Tunneling equipment.	
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