		Student Exam No		
		GANDAT UNIVEDSITY	· <u>et 1<sup>-1</sup> · · ·</u>	
		B. Tech. Semester: VICivilEngingening		
		Regular Examination (CBCS) - April - June 2016		
		2CI606: Advanced Construction		
Maxi.Time:	3 Hou	Irs Maxi Marks: 70		
Instruction:	1An	1Answer to the two sections must be written in separate answer book		
	2. Fi 3. A	gures to the right indicate full mark.	•	
		Section - 1		
Que	1 (A	) Write short note on Franki Pile.	6	
	<b>(B</b> )	) Write short note on Vibro pile.	5	
		OR	5	
Que. – 1	(A)	) Explain classification of pile based on functions.	6	
	(B)	Enlist classification of pile based on material. Explain any one.	5	
Que. – 2	(A)	What do you mean by cofferdam? Enlist uses of cofferdam. Enlist factors affecting selection of cofferdam.	6	
	<b>(B)</b>	Define caisson. Explain difference between caisson and cofferdam.	6	
Que 2	(A)	Enlist types of cofferdam Explain cellular as front		
	(B)	Explain pneumatic caisson with sketch.	6	
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Que. – 3	Ans (A)	wer the following questions. (Any Two)	12	
	(A)	What is Expressed 2 E. K.		
	(D)	What is Fornwork? Enlist requirements of good formwork.		
	(C)	Determine the safe allowable load on a precast pile driven by drop		
		hammer weighing 60KN. The free fall of the hammer 130m and the		
		average penetration recorded in the last few blows is 0.6 cm per blow.		
		Adopt factor of safety is 6 and using Engineering News formula.		
		Section - II		
Que. – 4	(A)	What are the contribution and importance of construction equipment?	6	
	<b>(B)</b>	Enlist different conveying equipment. Explain any two of them.	5	
<u> </u>		OR	5	
Que. – 4	(A)	Describe operation of a power shovel, dragline and trenching machine.	6	
	(B)	Write short note on chain hoists with neat sketch.	5	
Que 5	(A)	Explain different methods of blasting.	6	
	(B)	Define tunnel and what are the advantages and disadvantages of tunnel	6	
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OR

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- Que. -5 (A) Write short note on diamond drills.
  - (B) Write short note on earth resistance construction.
- Que. -6 (A) Enlist precaution to be taken during demolition of structures.
  - (B) Discuss important to be considered while constructing spatial structures.

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## END OF PAPER