	Emmeller	om4 No.		Evan Cast No.						
	Enrollmo	ent No:	C II CII A II							
	C.U.SHAH UNIVERSITY Summer Examination-2016									
	Subject Name: Construction Technology									
	Subject Code: 4TE06CNT1			Branch: B.Tech(Civil)						
	Semester	r: 6 Date:06/05/2016		Time: 02:30 To 05:30 Marks: 70	rks : 70					
	Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed.									
Q-1		Attem	pt the following questions:		(14)					
	a)	What i	s pile?		(1)					
	b)		various types of piles.		(1)					
	c)		coffer dam		(1)					
	d)		the types of coffer dam		(1)					
	e)		caisson		(1)					
	f)		the types of caisson dam		(1)					
	g)		material used for caisson		(1)					
	h)		s pneumatic caisson?		(1)					
	i)		the method of pumping s formwork necessary?		(1)					
	j) k)	-	material is used in form wor	rk	(1) (1)					
	l)		different types of form works		(1)					
	m)		earth moving equipment	,	(1)					
	n)		different types of earth movir	ng equipment.	(1)					
		Attem	pt any four questions from	Q-2 to Q-8						
Q-2		Attem	pt all questions		(14)					
-	A)		s the main factors affecting s	election of type of pile	(7)					
	Βĺ			rote pile including process of easting with	(7)					

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	h)	What is pneumatic caisson?	(1)
	i)	Enlist the method of pumping	(1)
	j)	Why is formwork necessary?	(1)
	k)	Which material is used in form work	(1)
	1)	Enlist different types of form works	(1)
	m)	Define earth moving equipment	(1)
	n)	Enlist different types of earth moving equipment.	(1)
		Attempt any four questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
	A)	Discuss the main factors affecting selection of type of pile	(7)
	B)	Describe giving sketch precast concrete pile including process of casting with their advantages and disadvantages	(7)
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Q-3	4.5	Attempt all questions	(14)
	A)	Write a note on rock fill coffer dam	(7)
	B)	Describe the method of constructing a double wall coffer dam	(7)
		Page 1 2	



	Attempt all questions	(14)
A)	Differentiate coffer dam and caisson. Describe the construction procedure of	(7)
		<i>_</i>
B)	State various methods of pumping and explain any one in detail	(7)
	Attempt all questions	(14)
A)	• •	(7)
B)	Describe the method of constructing a single wall coffer dam	(7)
	Attempt all questions	(14)
A)	Why steel form work is more preferred? What are the advantages of steel form	(7)
	work over timber form work	
B)	Describe the timber form work	(7)
	Attempt all questions	(14)
A)	Write a note on special equipment and standard equipment	` ,
B)	Discuss the contribution and importance of construction equipments in construction industry.	
	Attempt all questions	(14)
A)		(7)
•	· · · · · · · · · · · · · · · · · · ·	(7)
	B)A)B)A)A)	 A) Differentiate coffer dam and caisson. Describe the construction procedure of open caisson giving neat sketch. B) State various methods of pumping and explain any one in detail Attempt all questions A) Describe the method employed for the floating of caisson B) Describe the method of constructing a single wall coffer dam Attempt all questions A) Why steel form work is more preferred? What are the advantages of steel form work over timber form work B) Describe the timber form work Attempt all questions A) Write a note on special equipment and standard equipment B) Discuss the contribution and importance of construction equipments in construction industry. Attempt all questions A) In which situation the belt conveyors are used? What are the advantage of it.

