BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (MID SEMESTER EXAMINATION)

	ASS: ANCH	B.ARCH SEMESTER: II I: ARCHITECTURE SESSION : MO		
		SUBJECT : AR3303 CONSTRUCTION TECHNIQUES		
TIME:		1.5 HOURS FULL MARKS	FULL MARKS: 25	
1. 2. 3. 4.	The t Cand In the Befor	CTIONS: total marks of the questions are 30. idates may attempt for all 30 marks. ose cases where the marks obtained exceed 25 marks, the excess will be ignored. re attempting the question paper, be sure that you have got the correct question paper. missing data, if any, may be assumed suitably.		
Q1		List the different three types of soil found and what area the information we gather before starting the design. Briefly explain soil Bearing capacity.	[2] [3]	
Q2	(a)	Complete the following sentences. a. Clay Soil is good for	[1x5]	
Q3		State the specific use of (i) Timber, (ii) Aluminium (iii) Steel, as a material for formwork. What are the advantages of using fiberglass reinforced plastic as form work.	[2] [3]	
Q4		Sketch the formwork used for i). Square /rectangular column, ii). Octagonal Column Labeled diagram for shuttering of staircase.	[2] [3]	
Q5		In order to successfully carry out a formwork, which criteria's are important, list all. Please elaborate on any two of the criteria's	[2] [3]	
Q6		What are cavity walls? What are the advantages of cavity walls?	[2] [3]	

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