

UG

Name:		Roll No.:			
Branch:		Signature of Invigilator:			
Semester: VIth	r: VIth Date: 26/04/2022 (MORNING)				
Subject with Code: CE413 CONCRETE TECHNOLOGY					
Marks Obtained	Section A (30)	Section B (20)	Total Marks (50)		
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#### **INSTRUCTION TO CANDIDATE**

- 1. The booklet (question paper cum answer sheet) consists of two sections. First section consists of MCQs of 30 marks. Candidates may mark the correct answer in the space provided / may also write answers in the answer sheet provided. The Second section of question paper consists of subjective questions of 20 marks. The candidates may write the answers for these questions in the answer sheets provided with the question booklet.
- 2. The booklet will be distributed to the candidates before 05 minutes of the examination. Candidates should write their roll no. in each page of the booklet.
- 3. Place the Student ID card, Registration Slip and No Dues Clearance (if applicable) on your desk. <u>All the entries on the cover page must be filled at the specified space.</u>
- 4. <u>Carrying or using of mobile phone / any electronic gadgets (except regular scientific calculator)/chits are strictly prohibited inside the examination hall as it comes under the category of unfair means.</u>
- 5. No candidate should be allowed to enter the examination hall later than 10 minutes after the commencement of examination. Candidates are not allowed to go out of the examination hall/room during the first 30 minutes and last 10 minutes of the examination.
- 6. Write on both side of the leaf and use pens with same ink.
- 7. The medium of examination is English. Answer book written in language other than English is liable to be rejected.
- 8. All attached sheets such as graph papers, drawing sheets etc. should be properly folded to the size of the answer book and tagged with the answer book by the candidate at least 05 minutes before the end of examination.
- 9. The door of examination hall will be closed 10 minutes before the end of examination. <u>Do not leave the examination hall until the invigilators instruct you to do so.</u>
- 10. Always maintain the highest level of integrity. Remember you are a BITian.
- 11. Candidates need to submit the question paper cum answer sheets before leaving the examination hall.

#### BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCH:	BTECH CIVIL	(EID SEMESTER EXAMINATION)	SEMESTER: VI SESSION: SP/22 FULL MARKS: 50	
TIME:	2 HRS.	SUBJECT: CE413 CONCRETE TECHNOLOGY		
		SECTION- A.		
Answer t	he all questio	ns.	(30).	
time is ta (b). The 4 while 53- (c). The L ot (d). The R surfaces (e). The r aggregate (f). The so	ken as	ement has 7days compressive strength is consider essive strength is considered as in that of days	red as  hin a limit . The specific	
SEC	TION-B		4X2.5 =10	
3.Write th 4.Write th	ne tests for su ne different N	ability of fresh concrete. uitable aggregates. D tests. r water that use for concrete.		
is to be in volume w 1700kg/n	n portion of 1 vith a water to n3 (sand) and	ities of ingredients required to produce One Cubic m part of cement to1.57 parts of sand to 3.11 parts of o cement ratio 0.48 (by mass). The bulk densities are d 1750kg/m3 (coarse aggregates).The spgr. are 3.15 es).Assume percentage of entrapped air 2.3.	coarse aggregates by dry e 1450kg/m3 (cement),	

:::::26/04/2022 E:::::















