Seat No:	Enrollment No:
Deat 110.	Em omnene 1 to:

PARUL UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

B.Tech. Summer 2023 Examination

Semester: 4th Date: 27/03/2023

Subject Code: 203104287 Time: 2:00 pm to 4:30 pm

Subject Name: Construction Technology Total Marks: 60

Inctr	uctions:	
	l questions are compulsory.	
	gures to the right indicate full marks.	
	ake suitable assumptions wherever necessary.	
	art new question on new page.	
1. 50	at new question on new page.	
Q.1	Objective Type Questions - (Each of one mark)	(15)
	1. A is defined as a structure which is sunk through ground or water to exclude	
	water and semi fluid material during the process of excavation of foundations.	
	a) Cofferdam	
	b) Caisson	
	c) Well	
	d) Pit	
	2. To Support the trench cuttingis used	
	a) Bentonite slurry	
	b) Cement slurry	
	c) Lime slurry	
	d) All the given	
	3. The is used for formwork when it is desired to reuse the formwork several.	
	a) Stone	
	b) Steel	
	c) Timber	
	d) Bamboo	
	4. Which one of the following methods can be used to lower water table, using gravity flow?	
	a) Well point system	
	b) Dewatering	
	c) Water suction method	
	d) Dehydration	
	5. A caisson is open at top and closed at bottom.	
	a) Wells	
	b) Pneumatic caissons	
	c) Cylinders	
	d) Box caissons 6. What is Demolition?	
	7. What is the minimum depth of water that can be brought to the surface in well point system?	
	8. What is stretcher bond in Masonry?	
	9. Enlist loads act on the Foundation.	
	10. What is Dewatering?	
	11. Define Stone Masonry	
	12. Standard Size of Brick	
	13. Temporary casing in construction is known as	
	14. Definition: Cofferdam	
	15. Box caisson is used up to depthm	
0.2	Answer the following questions. (Attempt any three)	(15)
~-	A) Explain Diaphragm wall of construction.	\ - <i>)</i>
	B) Enlist different types of foundation and explain anyone in brief.	
	C) What is Formwork and explain anyone type of formwork.	
	D)Difference between Shallow Foundation and Deep Foundation.	
Q.3	A) Enlist different types of cofferdams and explain any one with neat sketch.	(07)
	B) What are the qualities of good formwork.	(08)

	B) Explain Sinking of Caisson with sketch.	(08)	
Q.4	A) Explain Pumping method for dewatering.	(07)	
	OR		
	A) Give the classification of Equipments and explain anyone type of equipment.	(07)	
	B) Enlist different types of Caissons and explain Box Caisson with neat sketch.	(08)	