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BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019 Subject Code:2160601 Date:10/05/2019			
Time:10:30 AM TO 01:00 PM Instructions:  Total Marks: 70			
		ake suitable assumptions wherever necessary.	
	3. Fi	gures to the right indicate full marks.	
Q.1	(a)	What is the importance of machines in construction?	03
<b>C</b>	<b>(b)</b>	±	04
	(c)	Differentiate between End bearing pile and friction pile with their	07
	. ,	figures.	
Q.2	(a)	Which are the points of difference between caisson and coffer dam?	03
	<b>(b)</b>	Define: Rolling resistance, Rimpull, Drawbar pull and Gradability.	04
	<b>(c)</b>	Enlist various methods of dewatering and explain freezing process with	<b>07</b>
		figure.	
		OR	
	<b>(c)</b>	Enlist methods of demolition and explain hand demolition and	07
		wrecking ball method in detail.	
<b>Q.3</b>	(a)	Discuss various causes of failure of piles.	03
	<b>(b)</b>	<del>_</del>	04
	(c)	Write short note on tilting of caisson.	07
0.3	(a)	OR What presentions should be taken for longer life of conveyor helts?	03
Q.3	(a) (b)	What precautions should be taken for longer life of conveyor belts? State the factors which influence the choice of a particular type of	03
	(D)	coffer dam.	04
	(c)	Which are the advantages and disadvantages of scraper?	07
Q.4	(a)	Explain methods of field compaction.	03
٧٠٠	(b)	Which precautions should be taken to avoid caisson sickness?	04
	(c)	Draw a neat sketch of belt conveyor system and describe its	07
	(-)	components.	
		OR	
<b>Q.4</b>	(a)	What do you mean by tall structure? Why tall structures are required?	03
	<b>(b)</b>	Differentiate between standard equipment and special equipment.	04
	<b>(c)</b>	Write short note on slip formwork.	<b>07</b>
Q.5	(a)	Draw neat sketch of formwork for R.C.C. column.	03
	<b>(b)</b>	Explain cycle time of truck.	04
	<b>(c)</b>	Differentiate between crawler mounted dozer and wheel mounted	07
		dozer.	
		OR	
Q.5	(a)	Write short note on wagons.	03
	<b>(b)</b>	State requirements of good formwork.	04
	(c)	Write short note on wheel type trenching machine with its figure.	07

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