Seat No.: Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY** PDDC - SEMESTER-VI • EXAMINATION - WINTER • 2014

Subject Code: X 60601 Date: 29-11-2014 Subject Name: Construction Management and Economics										
Tir	ne: 0	2:30 pm - 05:		agement and		al Marks: 70				
Inst	1. 2. 3.	Attempt all que Make suitable a	ssumptions wher							
<b>Q.1</b>	(a) (b)	What do you mean by construction management explain in detail. What is a bar chart? Explain in detail with example of bar chart.								
Q.2	(a) (b)	What is an ISO? Explain different ISO in detail.  Explain with sketches of Job layout for Dam site.  OR								
	<b>(b)</b>	Describe the different type of equipment.								
Q.3	(a) (b)	• • •								
				duration in week		Duration in week				
		1-2	4500	4	6500	2				
		1-3	7000	6	10000	4				
		1-4	5000	5	7000	4				
		2-5	7000	8	7800	3				
		3-5	4000	4	5000	2				
		4-5	8000	8	9500	2				
		Indirect $cost = 3$	3000/ week	OD						
<b>7</b> 2	(a)	OR Write feators effecting equipment and energing cost of equipment?								
<b>Q.3</b>	(a) (b)	Write factors affecting owning and operating cost of equipment? What are the Qualities required for good construction project manager?								
			-				(			
<b>Q.4</b>	(a)	The original cost of a Dumper is 18,00,000/- and its salvage value is								
		6% of the original cost this dumper is used for 1500 hrs per year and its								
		life is 7 year. Cost of owning and operating is Rs.50 per hr.								
		The hiring charges for the excavator inclusive of repair and								
		maintenance is Rs. 45000/- per month. Suggest whether the equipment								
	is buy or Hire.  (b) Differentiate Standard equipment and special equipment.  OR									
Q.4	(a) (b)	What is a break even analysis? Where we use break even analysis?. What is updating? Why it is necessary to do updating? What are the other factors considered for the updating?								
Q.5	(a)	What are the industry.	different incenti	ive methods u	sed for labour	in construction	(			

**(b)** Determine the break even sales for the following

	Product					
	A	В	С			
Sales (Units)	7000	5500	5200			
Unit selling price(Rs.)	13	18	20			
Unit Variable Price(Rs.)	9	7	15			
Fixed cost of the product is Rss. 45,000						

OR

- Q.5 (a) Why material Management is most important in construction project? Explain 07 with reason.
  - (b) Differentiate Conventional technique Vs Network technique.

07

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