Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER-VI. EXAMINATION - SUMME	ER 2016
Subject Code:X60601	Date:11/05/2016
Subject Name: Construction Management And Economics	
Time:10:30 AM TO 01:00 PM	Total Marks: 70
Instructions:	
1. Attempt all questions.	
2. Make suitable assumptions wherever necessary.	
3. Figures to the right indicate full marks.	

	C		07
Q.1	(a) (b)	Enlist the different stages of construction projects. What is necessity of construction scheduling in construction projects? Explain Bar chart for scheduling by drawing sketch.	07 07
Q.2	(a) (b)	Explain by sketch:- activity, network-logic, burst event, merge event Describe the sequence of procurement of material at site according to the	07 07
		stage	
		Of construction. OR	
		Explain by drawing table "material scheduling"	07
	(b)	Explain by drawing table material senedating	
Q.3	(a)	Why the economic evaluation is to be carried out for any construction	07
		project? Describe the various methods.	
	(1.)	Explain by drawing sketch "breakeven point"	07
	(b)	OR	
		Explain the cost optimization technique	07
Q.3	(a)	What is the necessity labour welfare in construction industry? Describe	07
	(b)		
		minimum Wage act, contract labour act	
		Explain by drawing flow diagram –line and staff organization, matrix	07
Q.4	(a)		
	(1.)	organization Describe working operation of "drag line excavator"	07
	(b)	OR	
		Determine the cost per hour owning and operating of power shovel	14
Q.4	•	Capacity=3cum, diesel operated crawler type, useful life=5 years,	
34		cost at site=20,0000.00, capacity of crank case=26.5 liters .hours	
		between changes=100 Hours used per year 2000.	
0.			07
Q.5		at the salety precaution accidents. How the salety precautions	07
	(b)	are taken?	
		OR	
0.	(-)	The land of the country of the perimates in PERT techniques and show	07
Q.5	(a)	Optimistic time and pessimistic time	
	(b)	- 1 : 1 1 to the large for multi-storied constituction	07
	(1)	Dian including	