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## GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER-1 (NEW) EXAMINATION – WINTER 2016

Subject Code: 2711401

U	ect Name: Construction Project Management : 2:30 pm to 5:00 pm	
nstruc	<ol> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>	
(a)	Discuss the significance of work break down structure for construction project	07
<b>(b)</b>	Define organization and mention the requirement of project organization. Also differentiate between formal and informal organization.	07
(a)	Explain the concept of T+4M in Construction project management with appropriate example	07
<b>(b)</b>	Discuss the concept of BOT, BOOT with reference to Indian construction industry with suitable example.	07
	OR	
<b>(b)</b>	Signify the need of effective resource planning and resource allocation in construction industry with appropriate example.	07
(a)	Discuss about following in brief: (1) DPR (2) BOLT (3) GERT	07
<b>(b)</b>	Explain the CPM and PERT .Also differentiate between CPM and PERT.	07
	OR	
(a)	Enlist and explain the implications of time and cost overrun in construction projects. Also enlist measures to control time and cost overrun.	07
<b>(b)</b>	Discuss with suitable example about analysis of maturity, success and failure of construction projects	07
(a)	How do you see the importance of cost budgeting and cost planning to overcome cost overrunning in construction industry? Support the answer with suitable example.	07
<b>(b)</b>	Define cost overrun and time overrun. How these phenomena would can be assessed for ongoing construction project.	07
	OR	
(a)	What do you understand by project appraisal and cost benefit analysis in construction	07
<b>(b)</b>	Write short notes on: (1) CONQUAS (2) LOB and LADDER Network	07
	(a) (b) (a) (b) (a) (b) (a) (b) (a) (b) (a)	nstructions:  1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.  (a) Discuss the significance of work break down structure for construction project management with suitable example.  (b) Define organization and mention the requirement of project organization. Also differentiate between formal and informal organization.  (a) Explain the concept of T+4M in Construction project management with appropriate example,  (b) Discuss the concept of BOT, BOOT with reference to Indian construction industry with suitable example.  OR  (b) Signify the need of effective resource planning and resource allocation in construction industry with appropriate example.  (a) Discuss about following in brief:  (1) DPR (2) BOLT (3) GERT  (b) Explain the CPM and PERT .Also differentiate between CPM and PERT.  OR  (a) Enlist and explain the implications of time and cost overrun in construction projects. Also enlist measures to control time and cost overrun.  (b) Discuss with suitable example about analysis of maturity, success and failure of construction projects  (a) How do you see the importance of cost budgeting and cost planning to overcome cost overrunning in construction industry? Support the answer with suitable example.  (b) Define cost overrun and time overrun. How these phenomena would can be assessed for ongoing construction project.  OR  (a) What do you understand by project appraisal and cost benefit analysis in construction project management? Support the answer with suitable example.  (b) Write short notes on:

Date:04/01/2017

Q.5	(a)	Write short notes on: (1) TQM (2) Critical path	07		
	<b>(b)</b>	Describe about various phases of construction project life cycle. Also suggest your views at to maintain effective construction project management at each of these phases.	07		
	OR				
Q.5	(a)	Enlist various softwares used for construction project management. Also explain the role of softwares in construction project management.	07		
	<b>(b)</b>	Discuss the role of value engineering in cost containment with suitable example.	07		

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