Seat No.:	Enrolment No
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Subject Code: 2721402

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II • EXAMINATION – SUMMER - 2017

Date: 26/05/2017

Tir	ne: 0	Name: Resources Management 2:30 PM To 05:00 PM Total Marks: 70	0
Inst	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Enlist various resources to be managed for construction industry . Discuss labour and material management in detail.	07
	(b)	How resource management can reduce time and const overrun of construction projects. ? Support your answer with suitable example.	07
Q.2	(a) (b)	What is ABC analysis? Explain significance and procedure of ABC analysis. Explain about VED analysis and its application. OR	07 07
	(b)	Discuss advantages and disadvantages of the preventive maintenance and predictive maintenance. Also focus on cost of preventive maintenance.	07
Q.3	(a)	Differentiate between Standard equipment and special equipment with suitable example.	07
	(b)	What do you understand by FMEA analysis? Enlist & explain the types of FMEAs.	07
		OR	
Q.3	(a)	Discuss the role of following factors in selection of equipment (1) Operator's effectiveness with the equipment (2) Mobility required of the equipment planning	07
	(b)	Write short notes on: (1) EOQ Model (2) Approaches to reduce direct material cost	07
Q.4	(a)	Enlist and explain factors affecting supplier's selection.	07
	(b)	Write short notes on: (1) Drawbar pull and Rim pull (2) Well-organized maintenance work process OR	07
Q.4	(a)	Signify the need of equipment maintenance plan. Also mention the benefits of preparing equipment maintenance plan	07
	(b)	Write short notes on : (1) Replenishment and replacement policies (2) Depreciation problems in machines	07
Q.5	(a)	Differentiate between forward buying and speculative buying with suitable example	07
	(b)	Write short notes on: (1) Lead time delay factor (2) Site waste material management plan OR	07
Q.5	(a)	Discuss the criteria of planning and selection of earthmoving equipments.	07
•	(b)	State operational characteristics and production rates of various equipments.	07
