Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER-1 (OLD) EXAMINATION – WINTER 2016

U			Date:21/11/2016	
Tiı	ne:10 tructio 1. 2.	Name: Communication and Research Skills 0:30 am to 1:00 pm Total Marks: ans: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	70	
Q.1	(a) (b)	Explain how communication will enhance the technical skill of an engineer. Describe the basic approaches to research.	07 07	
Q.2	(a) (b)	How to overcome the communication barriers? Explain the different instrument of data collection in research. OR	07 07	
	(b)	Differentiate business letters and memos.	07	
Q.3	(a) (b)	What are the different types of non-verbal communications? Explain them. Prepare a business report for getting the finance from a bank regarding setting up of a software company in Bangalore. OR	07 07	
Q.3	(a) (b)	What a different types of reading skills? Explain them in brief. Explain the techniques of conducting a successful meeting.	07 07	
Q.4	(a)	You are an owner of ABC mfg. company and have found that due to non-maintenance to few manufacturing units there is going to a fatal accident if steps are not taken urgently explain to management regarding the gross situation at the manufacturing site and prepare a report for the same asking for the immediate needs of maintenance.	07	
	(b)	What is hypothesis? Explain the types of hypothesis. OR	07	
Q.4	(a) (b)	What are different types reading techniques? Explain skimming and scanning. Explain the importance of sampling size and sampling methods.	07 07	
Q.5		Write note on any two:- 1. Data analysis. 2. Regression analysis. 3. Bibliography and references. 4. Vocabulary and writing skills.	14	
