GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- II(Old course) • EXAMINATION (Remedial) - WINTER- 2015

Subject Code: 1721408		Code: 1721408 Date: 17/12/20	Date: 17/12/2015 Total Marks: 70	
Tir	Subject Name: Research Methodology Time:2:30 pm to 5:00 pm Instructions: Total Marl			
		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	What is Likert type scale? Explain the procedure for developing it. State and explain various advantages of sampling.	07 07	
Q.2	(a)	Differentiate between Exploratory and Descriptive research design.	07	
	(b)	Explain various sources from which research problem are identified. Use one scenario to support your answer.	07	
	(b)	Enlist the various methods of data collection. Differentiate between Questionnaires and Schedules.	07	
Q.3	(a)	Give the importance of Intellectual Property Rights in research?	07	
	(b)	What is a Hypothesis? Define few terms with respect to hypothesis testing.	07	
Q.3	(a) (b)	OR Explain the discrete probability distribution with an example. What do you mean by plagiarism? How does it effect on research?	07 07	
Q.4	(a)	What should be the role of a researcher before publishing a survey paper?	07	
	(b)	Briefly explain the layout of the Research report.	07	
Q.4	(a)	OR What is research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem.	07	
	(b)	What are the guiding considerations in the construction of questionnaire? Explain in detail.	07	
Q.5	(a)	What do you mean by multivariate techniques? Explain their significance in context of research studies.	07	
	(b)	Explain terms: Footnotes and Bibliography.	07	
Q.5	(a) (b)	OR When is the secondary data better than primary data? How do you ensure internal validity and external validity	07 07	
