

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER– II (Old course)• REMEDIAL EXAMINATION – SUMMER 2015

Subject Code: 1721408

Date: 19/05/ 2015

Subject Name: Research Methodology

Time: 02.30 PM TO 05.00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) How do you see justify the role of research in decision making? Support your answer with suitable example. 07
- (b) Classify various types of researches. Also discuss about components of research. 07
- Q.2 (a) How do you define the research problem? Support your answer with suitable example of construction management. 07
- (b) Differentiate Simple Random sampling and complex random sampling. 07
- OR**
- (b) Explain the significance of literature survey for the research work. 07
- Q.3 (a) Enlist and explain various steps of research process. 07
- (b) State various considerations of sample design in research work. 07
- OR**
- Q.3 (a) Describe Univariate, Bivariate and Multivariate analysis with example. 07
- (b) Describe various constraints of research in India . 07
- Q.4 (a) Write short note on : 07
- (1) Central Limit Theorem (2) Research Design
- (b) Enlist and describe various criteria of good research. 07
- OR**
- Q.4 (a) Explain ANOVA technique and its principals in detail. Also mention one suitable application of ANOVA technique. 07
- (b) Write short note on : 07
- (1) Qualitative and Quantitative research
- (2) Chi-square test
- Q.5 (a) Enlist and explain various methods of data collection. 07
- (b) How do you prepare effective research Report? Also Describe in brief the layout of a research report. 07
- OR**
- Q.5 (a) Which factors are kept under consideration for the preparation of questionnaire? 07
- (b) Describe the classification of various Scaling procedures. 07
