

00112

**M.Phil and Ph.D. in GEOGRAPHY
(MPHILGEOG & PHDGEOG)**

Term-End Examination

December, 2018

RGG-102 : RESEARCH TECHNIQUES

Time : 3 hours

Maximum Marks : 100

Note : Answer any five questions. Each question carries equal marks.

1. Explain in detail Ontological and Epistemological basis of quantitative and qualitative methods. 20
2. What is Sampling ? Differentiate between probability and non-probability sampling. Explain any two types of probability sampling. 20
3. What is Normal Probability Curve ? Explain in detail the properties of Normal Probability Curve. 20
4. What are some of the major challenges associated with Participatory Action Research (PAR) in Geography ? Critically evaluate some strategies to manage these challenges. 20
5. Critically analyse the various steps involved in planning and organising focus group. 20

6. What are the differences between descriptive and analytic code ? How are these related to each other ? What are their respective uses in coding qualitative data ? 20
7. Write short notes on **any two** of the following : $2 \times 10 = 20$
- (a) Passive remote sensing
 - (b) Spatial resolution
 - (c) Database system
 - (d) Differentiate between supervised and unsupervised image processing
8. Write short notes on **any two** of the following : $2 \times 10 = 20$
- (a) Graphical representation of frequency distribution
 - (b) Measures of relative dispersion
 - (c) Scatter plot
 - (d) Crini's coefficient for measurement of inequality
-