

**Ph.D. IN LIBRARY AND INFORMATION
SCIENCE (PHDLIS)**

Term-End Examination

00235

December, 2017

RLII-001 : RESEARCH METHODOLOGY

Time : 2 hours

Maximum Marks : 50

Note : Answer **all** questions. All questions carry equal marks. Illustrate your answers with suitable examples and diagrams wherever necessary. Write relevant question number before answering.

1.1. Define Research. Explain the objectives of doing research.

OR

1.2. What is Research Design ? Explain the features of a good research design.

2.1. Define Sampling. Distinguish between Systematic and Stratified Sampling with examples.

OR

2.2. Explain the meaning of the following in the context of research design :

- (a) Extraneous variables
- (b) Research hypothesis
- (c) Experimental and Control group

3.1. What do you understand by Case Study ? Explain how case study can be applied in LIS research.

OR

3.2. Explain in detail the different techniques involved in defining a research problem.

4.1. Discuss the different types of hypotheses. Briefly explain how you can verify whether a hypothesis is true or false.

OR

4.2. Discuss ethics in decision-making in research.

5.0. Write short notes on any *two* of the following in about 300 words each :

- (a) Random Sampling
- (b) Alternative Hypothesis
- (c) Research Design
- (d) Qualitative Research