| **RLI-011** |

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

Term-End Examination

ロ□ヨ己与   **December, 2017**

RLI-011 : RESEARCH METHODOLOGY

Time : 3 hours   *Maximum Marks : 100*

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

1.1. Highlight the significance of research and discuss how it promotes the development of knowledge.

OR

1.2. Examine critically, the usefulness of interview as a research tool.

2.1. Discuss the objectives, scope and types of research design.

OR

2.2. Discuss the significance of review of literature in research.

3.1. Differentiate between Bibliometrics, Scientometrics, Informetrics and Webometrics. Explain the significance of Scientometrics in evaluation of literature.

OR

3.2. Explain in detail, ethical considerations in research.

4.1. Differentiate between probability sampling and non-probability sampling. Discuss different types of non-probability sampling.

OR

4.2. What are the conditions under which t-test can be used in hypothesis testing ? Give suitable examples to show its application.

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

(a) Scales and Scaling

(b) Level of Significance

(c) Reliability and Validity of a Research Tool

(d) Content Analysis

(e) Null Hypothesis