

**MASTER OF LIBRARY AND
INFORMATION SCIENCE (Revised)**

Term-End Examination

June, 2007

**MLIE-105 : INFORMETRICS AND
SCIENTOMETRICS**

Important Instruction : *This question paper should be attempted only by those candidates who have registered for MLIS from July, 2005 and onwards.*

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 relevant question number before writing the answer.*

1.1 What is measurement ? State the general requisite conditions of effective measurement and also clarify its relations with counting and classification.

OR

1.2 What is Informativeness ? Write the properties on which informativeness value of a text depends.

2.1 Discuss the evolution of the concept of informetrics.

OR

2.2 What are Science Indicators ? Discuss the functions of Science Indicators and their importance.

3.1 State the utility of citation counting. Discuss Sengupta's weightage formula to correct citations for post-war periodicals.

OR

3.2 What is cito-analytical product ? Discuss in detail Garfield's methods of cito-analytical studies. Enumerate cito-analytical products developed by ISI.

4.1 Define Informetrics with special reference to Morales' views on it. State the tasks assigned by FID to its Committee on Informetrics.

OR

4.2 Discuss the concept of Obsolescence of Literature. State and explain the major measures of rating Obsolescence.

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

- (a) Price's Square Root Law of Scientific Productivity
- (b) Cluster Analysis
- (c) Garfield's Law of Concentration
- (d) Bradford's Law of Scattering
- (e) Types of Measurement Scales