

**Indian Statistical Institute**  
**Documentation Research and Training Centre**  
**M.S. (Library and Information Science)**  
**III Semester Final Examination 2015-2017**  
**Paper-15: Scientometrics and Informetrics**

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**Time: 3 Hours**

**Date: 15.11.16**

**Total Marks 100**

- Q.N.1 Answer the following questions in one or two sentences 10 Marks
- a) What is Synchronous study?
  - b) What is Ranking of Universities?
  - c) What is Annual Aging Factor (AAF) ?
  - d) What is Scientific Collaboration?
  - e) What is Co-citation?
- Q No.2. Define Citation and discuss the Citation analysis studies and its application. 20 Marks
- Q No 3. What is Bradford's Law? Describe its zones (1: a: a2) and usefulness in the 20 Marks  
Subscription of journals in libraries.
- Q.No.4 Define Obsolescence, explain its types, different factors and its usefulness in libraries. 20 Marks
- Q.No. 5 Write note on the following: 15 Marks
- i) H-Index
  - ii) Impact Factor of the Journal
- Q.No.6 Write short Note on **Three** of the following: 15 Marks
- A )Lotka's Law
  - b) Zif's Law
  - c) Prato's 80/20 Rule
  - d) Webometrics
  - e) Contribution of E.Garfield