

**Indian Statistical Institute
Documentation Research and Training Centre
M.S. (Library and Information Science)
First Semester Mid-term Examination (2017-2019)
Paper 15: Informetrics and Scientometrics**

Time: 11.30 AM - 1.00 PM

Max. marks: 40

Date: 12/09/2018

Part A

I Answer the following in one or two sentences [5X1=5 marks]

1. What is self-citation of journal
2. Who was the creator of JCR
3. What is bibliographic coupling?
4. State the formula for Bradford's Law
5. Define the term knowlegometrics.
6. What is cybermetrics

Part B

II Write short note on any three of the following [3X5=15 marks]

1. Impact factor of the Journal
2. H-index
3. Pareto's 80/20 rule
4. Zipf's law

Part C

III Answer the following questions (any two) [2X10=20 marks]

1. Discuss the development of quantitative tools and techniques from librametrics to knowlegometrics.
2. Decribe Lotka's inverse square law with example.
3. What is citation? State the reasons for citing and its usefulness.