2018

MLISc

2nd Semester Examination

STUDIES OF ACADEMIC METRICS

PAPER—MLI-207

Subject Code—08

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Answer *all* questions.

1. Define any *five* of the following : 5×2

(a) Journal Immediacy Index.

(b) i – 10 Index.

(c) Webometrics.

(d) Stigler's law of eponymy.

(e) Garfield's law of concentration.

(f) Price conjecture.

(g) Obsolescence of literature.

2. (a) (i) Explain LotKa's law of anthor productivity.

(ii) Explain how LatKa's equation can be transformed into a linear equation.

(iii) Define h-index. Do you think h-index is a complete indicator? Justify your answer.

(iv) State Sengupta's correction to Bradford's law.

3+3+5+4

Or

(b) (i) Explain g-index.

(ii) Define h-e plane. Explain with illustration how a point P(e,-h) in the h-e plane represents the overall information of citations received by an author.

(iii) State how three fundamental libliometric laws can be interpreted from Booksteirs equation.

5+5+5

3. (a) (i) What is Matthew Effect in Science?

(ii) Explain Logistic model and Exponential model of growth of literature.

(iii) Explain how Bradford's law of Bibliographic scattering is represented through Brook's equation and Leimkuhler's equation. 4+5+6

Or

(b) (i) Describe advantages and disadvantages of citation.

(ii) Explain cited half-life and Citing half-life of a journal. What is the difference between them?

(iii) Enumerate different citation databases which are included in Web of Science.

(iv) Define SCImage Journal and Country Rank (STR).

4+5+4+2

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