c) How do you relate h-index and g-index with hg-index? Calculate h-index, g-index and hg-index from the following distribution of citations of articles of an author: 2+6

Article	1	2	3	4	5	6	7	8	9	10	11
No. of citation	25	12	9	9	5	4	4	2	1	0	0

2A. a) Show your acquaintance with the following concepts:
    i) Eigenfactor   2×2
    ii) Self-citation

b) Describe supervised, unsupervised and reinforcement machine learning in the context of data analytics. 9

c) Critically explain Bradford's Law of Scattering. 7

OR

2B. a) Write short notes on the following concepts: 5×2
    i) Pareto's 80/20 rule
    ii) Pattern of obsolescence of literature

b) J. E. Hirsch has given two variations of h-index. Explain these with examples. 6

c) Enumerate the disadvantages of h-index. 4

3. Write critical notes on *any two* of the following: 5×2
    i) Success-Breeds-Success proposition
    ii) TF-IDF algorithm
    iii) Web Impact Factor (WIF)
    iv) Indian Citation Index (ICI)

MASTER OF LIBRARY AND INFORMATION SCIENCE (DIGITAL LIBRARY) EXAMINATION, 2024

(1st Year, 2nd Semester)

Informetrics

Course : MLDL-06

Time : Two Hours   Full Marks : 50

The figures in the margin indicate marks.

Answer *all* the questions.

1A. Write answers as instructed.

a) Write short note on the following: 2×5
    i) Scimago Journal Rank
    ii) Co-citation
    iii) e-index
    iv) ORCID
    v) Journal Immediacy Index

b) What is 'citation'? Why do we need to measure scholarly impact of publications based on citation? 2+4

c) Write short note on 'Publish-or-Perish' as a tool for bibliometric analysis. 4

OR

1B. a) What do you know about the following concepts?
    i) Bibliographic coupliong   3×2
    ii) Coercive citation

b) Compare the concepts: informetrics, bibliometrics and altmetrics. 6