

**MASTER OF LIBRARY AND INFORMATION SCIENCE
(DIGITAL LIBRARY) EXAMINATION 2025**

(1st Year, 2nd Semester)

INFORMETRICS

PAPER: MLDL – 06

Time : 2 hours

Full Marks: 50

The figures in the margin indicate marks.

Answer all the questions.

1A	Write answers as instructed.																																												
	(a)	Differentiate the following concepts:	5 x 2																																										
		i) Data metrics and Data analytics ii) JIF and WIF																																											
	(b)	What is h-index? – Explain with suitable diagram.	5																																										
	(c)	What are the disadvantages of h-index? – Explain briefly.	5																																										
		OR																																											
1B	(a)	What do you know about the following concepts?	5 x 2																																										
		i) Tapered h-index																																											
		ii) Altmetrics																																											
	(b)	Briefly describe ten principles of Leiden Manifesto for Research Metrics 2015.	5																																										
	(c)	What do you know about fake scholarly impact indicator? How can you identify these fake indicators?	2+3																																										
2A	(a)	Show your acquaintance with the following concepts:	2 x 2																																										
		i) VOYANT																																											
		ii) BIBLIOSHINY																																											
	(b)	Discuss Lotka's law in relation to bibliometrics with suitable examples.	6																																										
	(c)	Find out the TF-IDF value of the term "INFORMATION" for three documents from the following data of a corpus. Also find out the relevant document on "INFORMATION" as per TF-IDF algorithm is concerned.	8 + 2																																										
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2B	(a)	Write short notes on the following concepts: i) Obsolescence of literature ii) Self-citation	3 x 2																																																																																				
	(b)	Describe briefly the factors responsible for publication productivity.	4																																																																																				
	(c)	Prove the Bradford's Law of Scattering from the following data regarding number of articles published in the 39 journals on the subject "Knowledge organization":	10																																																																																				
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		ii) Epidemic theory of Goffman																																																																																					
		iii) Source index, Subject index and Citation index in SCI																																																																																					
		iv) Law of concentration																																																																																					
