

## **Syllabus for Written Test of Lecturer (Computer Science)**

**Test Components:** MCQs-based Questions

**Test Passing Threshold / Marks:** Overall 60%

S. No	Syllabus		Weightage %	No. of MCQs
1	<b>Computer Science</b>	Numbering Systems, Logic gates, Boolean Algebra, basic computer system concepts, history	15%	15
		Process Management, Scheduling, Deadlock, Multiprocessing, Multitasking, Memory management	10%	10
		Linked List vs Arrays, Tree Traversal, Searching/ sorting Time complexity, Recursion, Binary Search Tree, Postfix/Prefix evaluation	10%	10
		Database normalization, Database Security, Integrity constraints, SQL queries	10%	10
		Supervised/Unsupervised machine learning/Regression, Knowledgebase/ database	5%	5
		General programming concepts, Basic object-oriented programming concepts,	5%	5
		Networking topologies, network security,	5%	5
		Web development Frameworks, cybersecurity, Web protocols, GET and POST	5%	5
		Computer architecture	3%	3
		Software engineering	2%	2
2	<b>English</b>	English	10%	10
3	<b>Basic Arithmetic</b>	Basic Mathematics	10%	10
4	<b>General Knowledge</b>	General Knowledge /Current Affairs	10%	10
<b>Total</b>			<b>100%</b>	<b>100</b>