

Enrollment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER - II EXAMINATION - SUMMER 2025

Subject Code: MC02094061

Date: 11-06-2025

Subject Name: Indian Knowledge System

Time: 10:30 AM TO 01:00 PM

Total Marks: 70

Instructions

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**
- 4. Use of simple calculators and non-programmable scientific calculators are permitted.**

	Marks
Q.1 (a) Define the term 'Indian Knowledge System'. Briefly explain what you understand by each word in this term.	07
(b) List out four Vedas with its speciality.	07
Q.2 (a) Discuss in detail the classification of Vedangas.	07
(b) Discuss the six Classical Vedic Schools of Philosophy in detail.	07
OR	
(b) What do you understand by the terms 'Non-Vedic' schools of philosophy?	07
Q.3 (a) Explain in detail the role of Phonetics in Sanskrit language.	07
(b) Discuss Unique Approaches To Represent Numbers in detail.	07
OR	
(a) Write a detail note on role of Sanskrit in Natural Language Processing.	07
(b) Write a detail note on Pingala and the Binary System.	07
Q.4 (a) Discuss the Components of Knowledge Triangle in detail.	07
(b) Discuss in detail Great Mathematicians and Their Contributions in Indian Mathematics.	07
OR	
(a) Comment on the statement, "Vaisheshika is an ancient Indian approach to physics".	07
(b) Discuss in detail knowledge of Arithmetic in Ancient Indian Mathematics.	07
Q.5 (a) Explain in detail Historical Development of Astronomy in India.	07
(b) Discuss in detail Disease Management process with example.	07
OR	
(a) Explain in detail 'Panchanga – The Indian Calendar System'.	07
(b) What is the Tri-Guna System? Write a detail note on it.	07
