

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BCA/MCA INTEGRATED – SEMESTER I- EXAMINATION –SUMMER-2026

Subject Code: BC01001081

Date: 26/05/2026

Subject Name: Indian Knowledge System

Time:02:30 PM TO 05:00 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) Choose the correct option/ Answer. (Each question carries 1 mark) **07**

1. Vedas are compiled by _____
A. Rishi Gautam B. Rishi Kanad
C. Rishi Bharadwaj D. Rishi Ved Vyasa
2. The meaning of Sruti is _____
A. What is heard B. What is seen
C. What is felt D. None of the above
3. _____ can be considered as the origin of Indian Classical Music
A. Atharvaveda B. Rigveda
C. Samveda D. Yajurveda
4. The knowledge of the movement of stars and planetary bodies is called _____ in Vedanga
A. Siksa B. Vyakrana
C. Jyotish D. Kalpa
5. As per Sulba Sutra basic Vedic unit of measurement is _____
A. Angula B. Meter
C. Stupi D. None of the above
6. _____ is the backbone of Indian astrology and calendar system
A. Siddhanta B. Panchang
C. Amarkosh D. Arthsastra
7. _____ explains in various mantras different procedures of worshipping the nature and cosmos
A. Rigveda B. Atharvaveda
C. Yajurveda D. Samveda

(b) Give the Answer to the Following questions in short. (Each question carries 1 mark) **07**

1. What is the Indian Knowledge system?
2. What is the Indus Valley civilization?
3. What is Chandas?
4. Give the name of any four puranas.

5. Give the Name of the person who is known for the discovery of Zero and Pi in India.
 6. What is the key feature of YOGA schools of Indian Philosophy?
 7. Define Dhanurveda.
- Q.2 (a)** Enlist the Four VEDAS and write down the key points for them. **07**
- (b)** Define the Indian Knowledge System (IKS) and Describe the Importance of the Indian knowledge system. **07**
- OR**
- (b)** What are Vedas? Give the difference between Shruti and Smriti Vedic Literature. **07**
- Q.3 (a)** Give the Classification of Schools of Indian Philosophy system and write down the Salient features of Indian Philosophical systems **07**
- (b)** What is Ayurveda? Explain the importance of Ayurveda in Life. **07**
- OR**
- Q.3 (a)** Briefly mention the contribution of Varahamihira to Ancient India. **07**
- (b)** Discuss the significance of the Rigveda in the Indian Knowledge system. **07**
- Q.4 (a)** What are the components of a language? Briefly write down some unique aspects of Panini's work "Asthdhyayi". **07**
- (b)** Write the names of different VEDANGAS. Why do Vedangas play an important role in Vedic preservation? **07**
- OR**
- Q.4 (a)** Define Upanishads. Write down the names of Different Upanishads and their Purpose. **07**
- (b)** Define Vedic mathematics. Explain key features and importance of Vedic Mathematics. **07**
- Q.5 (a)** Importance of Indian knowledge system in Health and well-being. **07**
- (b)** Write a short note on the Indian Number System and Units of Measurement. **07**
- OR**
- Q.5 (a)** Explain the key contributions of Aryabhata in ancient Indian mathematics and astronomy **07**
- (b)** Write down the Contribution of susruta and charak in Ancient Indian Medical science. **07**

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GUJARAT TECHNOLOGICAL UNIVERSITY
BCA/MCA INTEGRATED – SEMESTER I- EXAMINATION –SUMMER-2025

Subject Code: BC01001081

Date: 19/06/2025

Subject Name: Indian Knowledge System

Time:02:30 PM TO 05:00 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.

Q.1 (a) Answer correct option for the following questions. 07

1. As per IKS the total number of “Upnisada” are
a. 18 b. 98 c. 108
2. Who gave theory of binary numeral system and arithmetical triangle?
a. Shalya b. Pingala c. Baudhayan
3. Which Nation was called “Sapta Sindhu” (Land of Seven Rivers)?
a. Egypt b. Bharat c. China
4. Sukla Paksha is considered from which duration?
A.Purnima to Amavasya b. Amavasya to Purnima c. None
5. Which is the first University of the World?
a. Nalanada b. Takshashila c. Valabhi
6. In Ayurveda it is suggested to treat
a. Disease b. Patient c. Nature
7. World’s largest collection of ancient Manuscripts is in
a.China b. USA c. India

(b) Who founded the “Yoga Darshana”? 07

Explain the Optimizing Happiness by the Balance of Bhoga (sensory enjoyment) and Yoga (sensory detachment).

Q.2 (a) List well developed towns of an ancient India and Write a brief note on any one of them. 07

(b) The “Sanskrit” language is considered one of the oldest languages as per IKS write and explain the five features of the same. 07

OR

(b) What is the true knowledge as per the Indian Philosophy? With a neat sketch explain various components of Indian Knowledge system. 07

Q.3 (a) As per IKS the material world called “Brahmand” is made of five basic elements, name them and briefly explain. 07

(b) What is “Vastu Sashttra”? Explain the various domains of it and Information available from that. 07

OR

- Q.3 (a)** Explain the ancient Indian Calentrical system called “Pañcāṅga” (Panchang) with its five various elements. **07**
- (b)** Name four Vedas mentioned in the ancient Indian Scripture? Explain anyone in the detail. **07**
- Q.4 (a)** Who wrote the “*Ramayana*” and “*Mahabharata*” originally? Compare both with seven points of explanation. **07**
- (b)** Briefly explain the Vedic Educational system or “*Ashrampratha*” of an ancient India. **07**

OR

- Q.4 (a)** Name any two famous Universities of ancient India **07**
 Name any two well-developed towns of ancient India
 Explain any Ancient/Vedic Mathematical method to multiply two digit numbers with example.
- (b)** Name two types of “Vidya” mentioned in the ancient India and briefly explain the importance of each in the life. **07**
- Q.5 (a)** As per an ancient Indian system the age of human being is considered 100 years which is divided systematically in four various phases, write names of these phases and explain the role and responsibility of each phase. **07**
- (b)** As per the ancient knowledge system there is a definite relations and connection between joy - ānanda and knowledge – jñāna. Explain with a real life example. **07**

OR

- Q.5 (a) Answer correct option for the following questions. 07**
- What is the backbone of Indian astrology and calendar system?
 a. Siddhanta b. Panchang c. Amarkosh
 - Panjari prasad is taken in which festival?
 a. Nag Panchami b. Janmashtami c. Diwali
 - Name the first University of the world.
 a. Valabhi b. Bhutan c. Takshashila
 - Who wrote the Natyashastra?
 a. Bharatamuni b. Shudraka c. Chanakya
 - As per IKS who is considered the master of Atomic theory and knowledge
 a. Newton b. Rishi Kalad c. Rishi Charak
 - Who gave the explanation of lunar eclipse and solar eclipse, rotation of Earth on its axis, reflection of light by moon
 a. Shalya b. Aryabhatta c. Thomas
 - Who was the founder of Visistadvaita Vedanta
 a. Ramanuja b. Shankracharya c. Jaimini
- (b)** Make a list of contributions from the Arayabhatta & Bhaskaracharya: The great Indian Genius scholars. **07**

GUJARAT TECHNOLOGICAL UNIVERSITY

BCA/MCA INTEGRATED – SEMESTER I- EXAMINATION –WINTER-2024

Subject Code: BC01001081

Date: 06/01/2025

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) Explain the benefits of studying the Indian knowledge tradition	07
	(b) Write the names of any five fields included in the Indian knowledge tradition.	07
Q.2	(a) Write the names of the four Vedas and describe their respective subjects.	07
	(b) Discuss the four divisions of the Vedas and their importance.	07
	OR	
	(b) Give a brief introduction to the Shad Darshan.	07
Q.3	(a) Give an introduction to the astik and nastik philosophies	07
	(b) Describe the types of knowledge and give an introduction to them.	07
	OR	
	(a) Give an introduction to the ancient Indian education tradition.	07
	(b) Explain the features of the ancient Indian education tradition..	07
Q.4	(a) Contribution of the Indian tradition to the field of mathematics.	07
	(b) Give a brief introduction to the Author of the <i>Natya Shastra</i> and provide name of the any five topics.	07
	OR	
Q.4	(a) Give an introduction to any one of the following: <i>Katapayadi</i> , <i>Aryabhattiya</i> , or <i>Bhut Sankhya</i> .	07
	(b) Give an introduction to any one Rasayanshastri (chemist) from the Indian tradition and write the name of their work.	07
Q.5	(a) Name two astronomers and write the name of one of their works.	07
	(b) How many constellations (natshtra) and zodiac signs (rashi) are there in the Indian tradition? Name the zodiac signs.	07
	OR	
Q.5	(a) Describe the types of Vata, Pitta, and Kapha.	07
	(b) Write the names of the six seasons of India and divide them into twelve months.	07

Enrollment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
BCA/MCA INTEGRATED - SEMESTER - I EXAMINATION - WINTER 2025

Subject Code: BC01001081

Date: 16-12-2025

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) Write a name of any five fields included in the Indian knowledge tradition.	07
(b) Explain any Ancient /Vedic mathematical Method to multiply two-digit numbers with example.	07
Q.2 (a) Name four Vedas mentioned in the ancient Indian Scripture. Explain to anyone in detail.	07
(b) Explain the Astika Schools System.	07
OR	
(b) Discuss the basic Word pattern in Sanskrit Language.	07
Q.3 (a) Discuss the unique features of Indian Mathematics.	07
(b) Name two astronomers and write the name of one of their works.	07
OR	
(a) Discuss the concept of vata, pitta and Kapha.	07
(b) What is the Bhartiya Concept of Spirituality?	07
Q.4 (a) Name any two famous Universities of ancient Indian.	07
(b) Discuss the Bhuta-samkhaya System (Object-Numeral System).	07
OR	
(a) Discuss the magic squares in Indian mathematics.	07
(b) Discuss the four division of the Vedas and their importance.	07
Q.5 (a) What is the Knowledge as per the Indian Philosophy? With a neat sketch Explain various components of Indian Knowledge System.	07
(b) The “Sanskrit” Language is considered one of the oldest languages as per IKS write and explain the five features of the same.	07
OR	
(a) Explain Indian calendar system (panchang) in detail	07

(b) Explain the features of the ancient Indian education tradition.

07
