

GUJARAT TECHNOLOGICAL UNIVERSITY
BACHELOR OF ENGINEERING – SEMESTER 5 – EXAMINATION – SUMMER 2026

Subject Code: 3150408

Date: 30/05/2026

Subject Name: Conscience And Consciousness

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. Simple and non-programmable scientific calculators are allowed.**

- Q.1**
- (a)** Describe the five Yamas as ethical restraints in yogic philosophy. **03**
 - (b)** Compare the characteristics of a person of steady wisdom (Sthitaprajna) with those of an ordinary person, based on the Bhagavad Gita's teachings in Chapter 2. **04**
 - (c)** Evaluate the Bhagavad Gita's teachings on Dharma as a dynamic and context-dependent concept, analyzing how it reconciles personal duty (Svadharma) with universal principles (Sadharana Dharma) and the ultimate call to surrender **07**
- Q.2**
- (a)** How does attachment lead to desire according to the Bhagavad Gita? **03**
 - (b)** Analyze how desire leads to cognitive decline as described in the Bhagavad Gita. **04**
 - (c)** Evaluate the Bhagavad Gita's teachings on mind control and meditation as essential tools for managing psychosomatic diseases in contemporary healthcare practice. **07**
- OR
- Q.2**
- (c)** What is role of inherent nature in Duty? **07**
- Q.3**
- (a)** How can equanimity be cultivated in daily life according to the Bhagavad Gita? **03**
 - (b)** Compare actions in the mode of goodness with actions in the mode of passion. **04**
 - (c)** Discuss the nature and role of renunciation in achieving deeper self-realization and emotional stability according to the Bhagavad Gita. **07**
- OR
- Q.3**
- (a)** How does the Bhagavad Gita describe the relationship between the five elements (Pancha Mahabhuta) and the Supreme Being? **03**
 - (b)** Evaluate the significance of Dhyana Yoga protocol in achieving self-realization **04**
 - (c)** Critically examine the practices that help overcome material desires and their role in spiritual liberation, as described in the Bhagavad Gita. **07**
- Q.4**
- (a)** Define "foolish," "thief," and "pretender" as described in the Bhagavad Gita. **03**
 - (b)** Evaluate why the Bhagavad Gita considers Karma-Yoga superior to physical renunciation (Sannyasa) for spiritual liberation **04**
 - (c)** Discuss how intelligence becomes steady in practice and the outcomes of achieving such steadiness, according to the Bhagavad Gita. **07**
- OR
- Q.4**
- (a)** What is the role of inherent nature in determining one's duty? **03**

- (b)** Analyze how the Bhagavad Gita's concept of equanimity (Samatva) integrates cognitive, emotional, and behavioral dimensions into a unified framework for psychological resilience. **04**
- (c)** Analyze the key leadership lessons from the Bhagavad Gita, with specific reference to karma-yoga and its practical application by leaders. **07**

- Q.5**
- (a)** State what is meant by "dark matter" and explain one observational evidence that indicates its existence despite being invisible. **03**
 - (b)** Compare the concepts of the Self (Atma), Mind (Man), and Intelligence (Buddhi) in the Bhagavad Gita **04**
 - (c)** Compare how classical physics and quantum mechanics describe the nature and behavior of matter. In your analysis, discuss: (a) the concept of a particle's trajectory, (b) wave-particle duality, and (c) the role of probability in each framework. **07**

OR

- Q.5**
- (a)** Analyze why the concept of a definite trajectory becomes meaningless in quantum mechanics when applied to subatomic particles, using the Heisenberg Uncertainty Principle. **03**
 - (b)** Evaluate how karma-yoga principles can influence modern environmental policies. **04**
 - (c)** Explain the Big Bang theory as the prevailing cosmological model for the origin of the universe. In your answer, describe (a) the key stages from the Planck epoch to the formation of atoms, (b) the evidence supporting the theory, and (c) why classical physics alone is insufficient to describe the earliest moments. **07**
