

**Dec. 2025**

**B.Tech. (ME/ME) (Fifth Semester)**

**Essence of Indian Traditional Knowledge**

**(MC-02)**

*Time : 3 Hours]*

*[Maximum Marks : 75]*

**Note :** It is compulsory to answer all the questions (1.5 marks each) of Part A in short. Answer any *four* questions from Part B in detail. Different sub-parts of a question are to be attempted adjacent to each other.

**Part A**

1. (a) Define Traditional Knowledge with an example.	1.5
(b) State the meaning of Rig Veda.	1.5
(c) What is Ayurveda according to Indian Knowledge System ?	1.5

(d) Mention two important Vedangas. 1.5

(e) What is the main teaching of Sama Veda ? 1.5

(f) Define holistic health care in one line. 1.5

(g) Write any *two* differences between Modern science and Indian knowledge system. 1.5

(h) What is the purpose of celebrating World Yoga Day ? 1.5

(i) Mention any *two* contributions of Indian Knowledge System in Mathematics. 1.5

(j) What do you understand by Yogic Concept of Wellbeing ? 1.5

## **Part B**

2. (a). Explain, how Indian Traditional Knowledge contributes to sustainability in modern society. 10

(b) Discuss the significance of Upanishads in understanding Indian philosophy. 5

3. (a) Discuss the importance of Dharmashastra in Indian society. 5

(b) Describe the concept of Vedangas and explain their relevance in today's context. 10

4. What are the major fields of Indian Knowledge System (e.g., Medicine, Warfare, Communication, Cosmology) ? Explain each with suitable examples. 15

5. (a) What is the role of Ayurveda in maintaining balance between body, mind, and spirit ? 5

(b) Explain the relationship between Yoga and holistic health care. 10

6. (a) What is Mimansa ? Discuss its contribution to Indian logical and philosophical traditions. 10

(b) Write a short notes on Patanjali Yoga Sutra. 5

7. Discuss with examples :

15

- (a) The correlation between Modern Science and Indian Knowledge System.
- (b) How ancient Indian knowledge can guide present-day technological advancements ?

