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Question Paper Code: AHSB17



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal-500043, Hyderabad

**B.Tech VII SEMESTER END EXAMINATIONS (REGULAR) - FEBRUARY 2022**

**Regulation: R18**

## ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE

**Time: 3 Hours**

**(Common to All Branches)**

**Max Marks: 70**

**Answer ALL questions in Module I and II**

**Answer ONE out of two questions in Modules III, IV and V**

**NOTE:** Provision is given to answer TWO questions from among one of the Modules III / IV / V

**All Questions Carry Equal Marks**

**All parts of the question must be answered in one place only**

### MODULE – I

1. (a) Why is culture important? Give a brief account of culture and its characteristics [7M]
- (b) "Is the traditional knowledge practices in India are developing the sectors of the economy"? If yes/no give the explanation. [7M]
- (a) What is the difference between custom and tradition? Describe different kinds of social change on traditional knowledge systems from time to time. [7M]
- (b) Generalize the key factors that are impacting the indigenous knowledge mechanism. [7M]

### MODULE – II

2. (a) How are the religions of India playing a key role in the traditional knowledge protection system of the country? Explain in detail. [7M]
- (b) Give your opinion on the traditional knowledge protection of education and agricultural management system. [7M]
- (a) Discuss the role of government in protecting traditional knowledge. Explain value of traditional knowledge in global economy. [7M]
- (b) What are the challenges confronting traditional knowledge holders? How the traditional knowledge protection concentrating in eliminating poverty in India. [7M]

### MODULE – III

3. (a) What are the legal frameworks that exists for the protection of traditional knowledge and traditional cultural expressions? [7M]
- (b) Write about plant breeders rights or plant variety rights in India. What plants are covered under the plant variety act Act 2001? [7M]
4. (a) Explain the role of geographical borders in encouraging traditional knowledge rules. [7M]
- (b) What is the biological diversity Act, 2002 and describe its role for the conservation in agriculture sector? Explain in detail. [7M]

#### MODULE – IV

5. (a) Describe the regulatory framework for the protection of traditional knowledge in India. [7M]  
(b) Write the new trends in Indian traditional knowledge system, its growth and developmental activities. [7M]
6. (a) Examine the role of youth and administrators in promoting the traditional knowledge protection in India. [7M]  
(b) Is there any requirements of regulatory changes for traditional knowledge protection, explain in brief. [7M]

#### MODULE – V

7. (a) How does culture and tradition influence society? Discuss the importance of traditional food systems. [7M]  
(b) What are the challenges of traditional medicine? Is traditional medicine better than modern medicine? Express your views. [7M]  
[7M]
8. (a) Describe the new trends and technological developments in the assessment of traditional knowledge risk in engineering. [7M]  
(b) Write about the value of biodiversity management. What is being done to preserve biodiversity and its hotspots? [7M]

