

INDIAN KNOWLEDGE SYSTEM

Semester: II				
Programme: POLITICAL SCIENCE				
Course: INDIAN KNOWLEDGE SYSTEM				
Paper code: V1IK250211T				Credits: 2
Hours/week: 1				
Category: CORE/MDC/SEC/VAC: VAC				
Theory / Practical / Composite: Theory				
No of Modules: ONE				
<p>Course overview: this course provides a comprehensive introduction to the Indian Knowledge System (IKS), spanning diverse disciplines including mathematics, astronomy, and medicine. It explores ancient Indian perspectives on governance, economic life, and social structures, while examining traditional approaches to natural resource management. Students will learn to relate these indigenous practices to modern challenges in sustainability and technology.</p>				
Course Outcomes:				
1. Remember- the historical and conceptual foundations of Indian Knowledge Systems across various scientific and social disciplines.				
2. Understand- the evolution and key contributions of ancient Indian mathematics, astronomy, and public health systems.				
3. Apply- indigenous knowledge frameworks and traditional practices to address contemporary issues in healthcare and technology				
4. Analyze- the socio-political implications of ancient governance, public administration, and economic life				
5. Evaluate- the interconnections between natural resource management, cultural politics, and ancient societal structures				
6. Create- and propose alternative perspectives for sustainable development by integrating traditional IKS with modern science.				
Prerequisites: <i>Basic knowledge about any prior course</i>				
SYLLABUS				
Unit/ Module	CONTENT	HOURS or NUMBER OF CLASSES	CO Mappin g	COGNITI VE LEVEL

I.	1. Introduction to Indian Knowledge System	1	CO1, CO2, CO3, CO4, CO5, CO6	K1, K2, K3, K4, K5, K6
	2. Introduction to ancient Indian Mathematics and Astronomy	1	CO1, CO2, CO3, CO4, CO5, CO6	K1, K2, K3, K4, K5, K6
	3. Public Health and Medicine in ancient India	1	CO1, CO2, CO3, CO4, CO5, CO6	K1, K2, K3, K4, K5, K6
	4. Ancient governance, public administration and economic life	1	CO1, CO2, CO3, CO4, CO5, CO6	K1, K2, K3, K4, K5, K6
	5. Ancient society, art, theatre and culture	1	CO1, CO2, CO3, CO4, CO5, CO6	K1, K2, K3, K4, K5, K6
	6. Natural resource management in ancient India	1	CO1, CO2, CO3, CO4, CO5, CO6	K1, K2, K3, K4, K5, K6

Suggested readings

1. B. Mahadevan, V.R. Bhat, and R.N. Nagendra Pavana, Introduction to Indian Knowledge System: Concepts and Applications, PHI Learning, 2022.
2. Kapil Kapoor and Avadhesh Kumar Singh, Indian Knowledge System, IAS, Shimla, DK Printworld, 2005.
3. Amit Jha, Traditional Knowledge System in India, Atlantic Publishers, 2023

50 marks – 15 + 35

Synopsis /abstract -13 marks + Attendance-2 marks = 15

Extended write up—35 marks

Course outcomes (COs) and Cognitive Level Mapping

COs	CO Description	Cognitive levels
CO1	Remember- the historical and conceptual foundations of Indian Knowledge Systems across various scientific and social disciplines	K1
CO2	Understand- <i>the evolution and key contributions of ancient Indian mathematics, astronomy, and public health systems.</i>	K2
CO3	Apply- indigenous knowledge frameworks and traditional practices to address contemporary issues in healthcare and technology.	K3
CO4	Analyze- the socio-political implications of ancient governance, public administration, and economic life	K4
CO5	Evaluate- the interconnections between natural resource management, cultural politics, and ancient societal structures.	K5
CO6	Create- and propose alternative perspectives for sustainable development by integrating traditional IKS with modern science.	K6