



Faculty of: **Sciences & Life Sciences**

Course: **Bachelor of Science (Mathematics)**

Semester: **I**

Subject Code: **IKS201-1C**

Subject Name: **INDIAN KNOWLEDGE SYSTEM**

Sr. No	Category	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								Total
				Th	Tu	Pr			Theory				Tutorial / Practical				
									Continuous and Comprehensive Evaluation		End Semester Exams		Internal Assessment		End Semester Exams		
									Marks	Marks	Marks	Duration	Marks	Duration	Marks	Duration	
7	IKS	IKS201-1C	INDIAN KNOWLEDGE SYSTEM	2	-	--	2	2	10	Assignment	25	1	--	--	--	--	50

AIM :

- To know basic knowledge about architecture of the Ancient Indian Knowledge System and to develop an overall understanding of their role and relevance to contemporary society.

COURSE CONTENTS

UNIT-1. Introduction to Indian Knowledge System (3 Lectures)

- Overview of knowledge and traditional knowledge, non-traditional knowledge
- Ancient method of procuring traditional knowledge
- Modern methods of procuring non-traditional knowledge.
- Challenges to Traditional knowledge in modern times

UNIT-2. Meaning and importance of Indian Knowledge Systems (6 Lectures)

- Meaning of knowledge systems
- Characteristics and components of knowledge systems
- Domains of Education in India: Gurukul system, paathshala, Vidhyalaya, Vishvavidhyalay.
- Indian knowledge system in modern scenario.
- Preserving Indian knowledge system in modern India.

UNIT-3. Literary scholars of Ancient India. (5 Lectures)

- Kanad, Pingala, Maharshi Vyas, Sage manu, Sage parasar, Banbhatta, Nagarjuna, Panini.

UNIT-4. Mathematical and Scientific scholars of Ancient India. (4 Lectures)

- Aryabhata, Mahaviracharya, Baudhayana, Bhaskaracharya, Varamihira, Bhramgupta

UNIT-5. Medical and Yogic Scholars. (4 Lectures)

- Charak, Susruta, Maharshi Patanjali, Dhanwantari.

UNIT-6. Development of Arts in ancient India. (4 Lectures)

- Vyakaran shastra in Ancient India, Krishi shastra in ancient india,
- Shilpshastra in ancient India, Vastu Shastra in ancient India,

- Natya Shastra in ancient India, Sangeet Shstra in ancient India.

UNIT-7. History of Indian Economic Thought

(4 Lectures)

- What is Indian Economic Thought?
- Economic thought from: Dharm Shstra, The Manusmriti, Shukraniti, Mahabharat
- Economic lessons from kautilya's Chanakya Niti.

Arrangement of lectures duration and practical session as per defined credit numbers:

Units	Lecture Duration (In Hrs.)		Calculation of Credits (In Numbers)		Total Lecture Duration	Credit Calculation
	Theory	Practical	Theory	Practical	Theory+ Practical	Theory+ Practical
Unit – 1	03	00	2	0	03	2
Unit – 2	06	00			06	
Unit – 3	05	00			05	
Unit – 4	04	00			04	
Unit – 5	04	00			04	
Unit – 6	04	00			04	
Unit – 7	04	00			04	
TOTAL	30	00	2	0	30	2

EVALUATION

Theory Marks	Practical Marks	Total Marks
50	00	50

REFERENCE BOOKS

1. Indian Knowledge System-1: C. Jamnadas and Co.