

<b>I.K.S. (Generic)- Year-I, Sem- I Syllabus [Level 4.5]</b>			
<b>Course Type</b>	<b>Indian Knowledge System (IKS)</b>	<b>Credits-2 (Theory)</b>	<b>Weeks-15 Hours-30</b>
<b>IKS 101HIS</b>	<b>History of Knowledge Production in India (Generic)</b>	<b>Int. Marks 15</b>	<b>Ext.Marks 35</b>

### **Course Objectives:**

1. To understand the nature of knowledge.
2. To understand the evolution of the scientific approach in the Indian subcontinent.
3. To study contributions made by different people to the various branches of knowledge before modernity evolved in India.

### **Course Outcomes:**

1. The concept of the ancient intellectual knowledge tradition will be understood.
2. Developments in science from ancient times will be introduced.
3. Developments in humanities from ancient times will be understood.

### **Syllabus (from 2024-25)**

<b>Unit 1. Introduction to Indian Knowledge System</b>	<b>06</b>
<ol style="list-style-type: none"> <li>a. Definition, Scope and importance of knowledge</li> <li>b. nature of Indian Knowledge System</li> <li>c. Evolution of scientific approach</li> </ol>	
<b>Unit 2. Development of Sciences</b>	<b>12</b>
<ol style="list-style-type: none"> <li>a. Astronomy- Aryabhatta, Varahamihira, Sawai Jaisingh</li> <li>b. Medicine- Ayurveda and Yunani</li> <li>c. Metallurgy- Copper, Iron, Bronze &amp; alloys</li> </ol>	
<b>Unit 3. Development of Humanities</b>	<b>12</b>
<ol style="list-style-type: none"> <li>a. Language - Prakrit, Sanskrit, Farsee</li> <li>b. Philosophy- Vedic, Lokayat, Buddhist, Jaina</li> <li>c. Education system in ancient India – Takshashila, Nalanda, Valabhi University</li> <li>d. Architecture</li> </ol>	

## References:

### English:

1. Abdur Rahman, *Science and Technology in Medieval India: A Bibliography of Source Materials in Sanskrit, Arabic, and Persian*, Indian National Science Academy, New Delhi, 1982.
2. Bag A. K. (ed), *History of Technology in India (Vol I) (From Antiquity to C. 1200 A.D.)*, Indian National Science Academy, Delhi, 1997.
3. Chattopadhyaya, Debiprasad, *History of science and technology in ancient India: the beginnings*, Firma KLM Pvt. Ltd. 1986.
4. Dasgupta Surendranath, *A History of Indian Philosophy*, Cambridge University press, 1922.
5. Gopal L. and V. C. Shrivastava, *History of Agriculture in India (Upto 1200 A. D.)*, Concept Publishing, New Delhi, 2008.
6. Irfan Habib (ed.), *People's History of India – Vol 20 : Technology in Medieval India, c. 650–1750*, Aligarh Historians Society and Tulika Books, 2016.
7. Jan Gonda, *A History of Indian Literature*, Otto Harrassowitz, Wiesbaden, 1975.
8. PadmanabhaThanu (ed.), *Astronomy in India : A Historical Perspective*, Indian National Science Academy, Springer, New Delhi. 2014.
9. Sohoni Pushkar, *Introduction to the History of Architecture in India*, IISER, Pune, 2020.
10. Tripathi Radhavallabh, *Vāda in theory and practice : studies in debates, dialogues and discussions in Indian intellectual discourses*, IAS, Shimla, 2016.

### मराठी:

1. अळतेकर सदाशिव अनंत, प्राचीन भारतीय शिक्षण पद्धती, नागपूर, १९३५.
2. कोसंबी दा.ध., प्राचीन भारतीय संस्कृती आणि सभ्यता, डायमंड प्रकाशन, पुणे, २०१६.
3. कोसंबी दा. ध. संतापजनक निबंध, लोकवाङ्मय गृह, मुंबई, २०२१.
4. गायधनी र.न. व राहूरकर व.ग., प्राचीन भारताचा सांस्कृतिक इतिहास, कॉन्टिनेन्टल पुणे, १९९४.
5. दीक्षित, राजा, मराठीतील विज्ञानविषयक लेखन, साफुपुवि प्रकाशन, २०१४.
6. मेहंदी, प्राचीन भारत समाज आणि संस्कृती, प्रज्ञा पाठशाळा मंडळ, वाई, २००१.
7. शर्मा आर. एस., प्राचीन भारत, के सागर प्रकाशन, पुणे. १९९७.
8. सिंग उपिंदर, प्राचीन भारत- विरोधाभासांची संस्कृती, सनय प्रकाशन, २०२४.

## **Examination Pattern:**

**A) I. K. S.Theory Paper: Total 2 Credits - Total Marks: 50**

### **Marks Scheme of Examination: Theory Paper**

- a. **Semester End Exam** 35 Marks (Minimum Marks 14 for passing)
- b. Internal Assessment 15 Marks (Minimum Marks 06 for passing)
- c. The details of Question Paper Pattern for offline Examination -  
Time (2 Hours), 2 Credit Course, Marks (35)

Q.1) Answer the following questions in 200 words (any 1 out of 2) 10 Marks

Q.2) Answer the following questions 200 words (any 1 out of 2) 10 Marks

Q.3) Answer the following questions in 200 words (any 1 out of 2) 10 Marks

Q.4) Write short notes (any 1 out of 2) 5 Marks

### **Internal Assessment**

**Total Marks: 15 =**

**10 Marks** - Mid Semester Exam. –

**5 Marks-** Home Assignment, Oral, Students Seminar, PPT presentation. (any One )