

# SAVITRIBAI PHULE PUNE UNIVERSITY

DEPARTMENT OF HISTORY  
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Date : .....

2 Credit Course in Indian Knowledge Systems (NEP 2020)

## Course Title – Foundation course in Indian Knowledge Production in Pre-Modern India

(30 Contact Hours)

1. Introduction to Indian Knowledge Systems
  - I. What is Knowledge?
  - II. Practices of Knowledge Creation- Anvikshiki, Kautuhalshala, Ibadatkhana, Anubhavmantapa
2. Development of Sciences
  - I. Astronomy- Aryabhata, Varahamihira, Sawai Jaisingh
  - II. Medicine- Ayurveda and Yunani
  - III. Agriculture- Monsoon, Irrigation, Persian Wheel
3. Development of Humanities
  - I. Language - Prakrit, Sanskrit, Farsee
  - II. Philosophy- Vedic, Lokayat, Buddhist, Jaina, Sufism, Din I Ilahi
4. Development of Technologies
  - I. Architecture & Urban Planning
  - II. Textiles- Silks, Cotton, weaving, dyeing, printing
  - III. Metallurgy- Copper, Iron, Bronze & alloys

### Reference Books-

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