

Appendix Syllabus :- IKS Generic

Sant Gadge Baba Amravati University

**Three/Four-Years UG Programme (NEP) with Multiple Entry and
Multiple Exit Options**

Course/Subject :Indian Knowledge Systems (Generic)

All Four Faculties of Studies

UG Program-Semester I

Credits 02 Maximum Marks:50

Lectures: 02 hours per week

Expected Lectures for semester I:- 30 to 34

Course Outcomes:

After completion of this course successfully, students would be able to

1. Develop an appreciation about the role and importance of Veda, Vedangas, Upanishadas, Ramayana, Mahavharata, Prominent ancient art forms and skills, etc.
2. Gain Knowledge about the role and importance of Yoga and Ayurveda
3. Understand the role and contribution of ancient Indian Science
4. Understand the role and contribution of ancient Indian Art & Literature

Unit I Introduction to Indian Knowledge & Philosophy

1. Nature of Knowledge – Difference between information and knowledge.
The five sense organs and their respective perceptions. Nature of mind and intellect. True vs. false knowledge. Means of acquiring knowledge – *Perception (Pratyaksha)*, *Inference (Anumana)*, *Comparison (Upamana)*, *Verbal testimony (Shabda)*. Introduction to other means (Pramanas).
2. Introduction to Vedas and Vedangas – Overview of the four Vedas and their six branches (Vedangas).
3. Introduction to the Ten Principal Upanishads
4. Introduction to the Six Classical Philosophical Schools (Shat Darshanas)
5. Introduction to Buddhist and Jain Philosophy

6. Introduction to Puranic Literature – Nature of the Puranas, their definition, major themes, and a basic overview of the 18 Mahapuranas.
7. Introduction to the Ramayana
8. Introduction to the Mahabharata

Unit II - Introduction to Ayurveda and Yoga

1. Nature of Ayurveda – Its scope, objectives, applications, and global recognition.
2. Introduction to Ancient Ayurvedic Scholars – Charaka, Sushruta, Vagbhata, etc., their texts and contributions.
3. Ayurvedic Daily Routine (Dinacharya) and Seasonal Regimen (Ritucharya)
4. Diet, Lifestyle, and Thought – Concept of wholesome food, incompatible foods (ViruddhaAahar), and mental hygiene.
5. Introduction to Yoga Shastra – Contributions of Maharshi Patanjali and other sages; their texts and teachings.
6. Surya Namaskar and Important Yogic Postures (Asanas) – Their significance and applications.
7. Introduction to Various Yogic Mudras – Their meanings and benefits.

Unit III Ancient Indian Science & Technology

1. Scientific Thought in Ancient India – The psychological foundation of this thought. Its ecological and sustainable nature. Science in daily life.
2. Ancient Indian Astronomy – Ancient texts, authors, major theories, and comparison with modern astronomy.
3. Ancient Indian Chemistry (Rasayana Shastra) – Related texts, authors, major concepts, and their modern relevance.
4. Ancient Indian Metallurgy and Physics – Texts, authors, key principles, and comparison with modern science.
5. Ancient Indian Mathematics – Texts, mathematicians, key theories, and comparison with contemporary systems.

6. Ancient Indian Architecture and Vastu Shastra – Ancient texts, authors, principles, and comparison with modern architectural science.
7. Ancient Indian Life Sciences (Botany& Zoology) – Key texts, authors, major principles, and comparison with modern relevance.
8. Ancient Indian Technology: Evidences and Practices of Ancient Technology with special reference to Civil Engineering-Architecture, Metallurgy and Instruments

Unit IV Ancient Indian Art, Economics and Literature

1. Bharatamuni's Natyashastra and the Philosophy of Drama (Rupaka Chintan)
2. Introduction to Sanskrit Epics – Brief overview of the five major epics in Sanskrit literature.
3. Introduction to Ancient Indian Authors – Important literary figures and their key works.
4. Introduction to Kautilya's Arthashastra – Structure of the text, subjects covered, and its relevance in modern times.
5. Introduction to the 14 Vidyas (Branches of Knowledge)
6. Introduction to the 64 Arts (Kalās)
7. Introduction to Ancient Indian Ethics (Niti Shastra) – The ultimate aim of education as ethics. Nature of Indian ethical thought. Introduction to important texts on ethics.

Text Books:

1. Introduction to Indian Knowledge System: Concepts and Applications by B. Mahadevan, Vinayak R. Bhat and Nagendra P. R. N., PHI Learning Private Limited, 2022. 2. Kapur K and Singh A. K (Eds) 2005).
2. Indian Knowledge Systems, Vol. 1. Indian Institute of Advanced Study, Shimla. Tatvabodh of sankaracharya, Central chinmay mission trust, Bombay, 1995.

Reference Books:

1. Collection of Four Vedas (Rigveda Samhita, Yajurveda Samhita, Samveda Samhita, Atharva Veda Samhita), by Pandit ShriRam Sharma Acharya, Motilal Banarasidass
2. Collection of Vedas (Rigveda, Shukla Yajurveda, Krishna Yajurveda, Samveda, Atharva Veda), by Brahmarshi Maha Mahopadhyaya Pandit Shreepad Damodar Satvalekar, Publisher: Swadhyaya mandal, Pardi (Balsad), Printer: SamvadTradeprints, 1005, Sadashiv Peth, Pune
3. Nair, Shantha N. Echoes of Ancient Indian Wisdom. New Delhi: Hindology Books, 2008.
4. SK Das, The education system of Ancient hindus, Gyan publication house, India
5. BL Gupta, Value and distribution system in India, Gyan publication house, India
6. Reshmi ramdhoni, Ancient Indian Culture and Civilisation, Star publication ,2018
7. Supriya Lakshmi Mishra, Culture and History of Ancient India (With Special Reference of Sudras), 2020.
8. Gambirananda, Swami, Tr. Upanishads with the Commentary of Sankarachrya. Kolkata: Advaita Ashrama publication Department, 2002.
9. Ranganathananda, Swami. The Message of the Upanishads. Bombay: Bharathya Vidya Bhaven, 1985.
10. Om Prakash, Religion and Society in Ancient India, Bhariya Vidhya Prakashan, 1985
11. J Auboyer, Daily Life in Ancient India from Approximately 200 BC to AD 700, Munshi ram Manoharlal publication, 1994. 12. DK Chakkrabarty, Makkhan Lal, History of Ancient India (Set of 5 Volumes), Aryan book International publication, 2014 13. Dr. Girish Nath Jha, Dr. Umesh Kumar

Singh and Diwakar Mishra, Science and Technology in Ancient Indian Texts, DK Print World limited,

14. Swami BB Vishnu, Vedic Science and History - Ancient Indian's Contribution to the Modern World, gosai publication, 2015

15. Chatterjee, S.C. The Nyaya Theory of Knowledge. Calcutta: University of Calcutta Press, 1950.

16. Dasgupta, Surendra. A History of Indian Philosophy. Delhi: Motilal Banarsidass, 1991.Vols. III & IV.

17. Mercier, Jean L. From the Upanishads to Aurobindo. Bangalore: Asian Trading Corporation, 2001.

18. M. Hiriyanna. Essentials of Indian Philosophy. London: Diane Publications, 1985.

19. Hume, Robert Ernest, Tr. The Thirteen Principal Upanishads. Virginia: Oxford University Press, 1931.

20. Radhakrishnan, S. Principal Upanishads. New York: Harper Collins, 1963.

21. Satprakashananda. The Methods of Knowledge according to Advaita Vedanta. Calcutta: Advaita Ashram, 2005.

22. Potter, K.H. Encyclopaedia of Indian Philosophies, Vol.III. Delhi: Motilal Banarasidass, 2000.

23. Kurhekar Acharya Shreyas Charudatta Indian Knowledge System: Introduction & Prospects, H.V.P.Mandal's Degree College of Physical Education, Amravati, Maharashtra, 2024.