

Resolution No.: AC// (23-24).3.RUA12

S. P. Mandali's
Ramnarain Ruia Autonomous College
(Affiliated to University of Mumbai)



Syllabus for
Program: F.Y.B.A/B.Sc.
Program Code: (RUSIKS)

(As per the guidelines of National Education Policy 2020-
Academic year 2023-24)

(Choice based Credit System)

Course Code: RUSIKS.O101
Course Title: Indian Knowledge System

Academic year 2023-24

COURSE OUTCOMES:

After completion of this course the students will be able to: -

COURSE OUTCOME	DESCRIPTION
CO 1	<ul style="list-style-type: none"> Create awareness amongst the students about the history and cultural heritage of our country.
CO 2	<ul style="list-style-type: none"> Examine the scientific value of traditional Indian knowledge.
CO 3	<ul style="list-style-type: none"> Interpret Indian wisdom as an applied aspect of the modern scientific paradigm.
CO 4	<ul style="list-style-type: none"> Plan research in the various fields of the Indian knowledge system.
CO 5	<ul style="list-style-type: none"> Assess the legacy of the Ayurveda, an Indian traditional healthcare knowledge system that has gained global momentum.

DETAILED SYLLABUS

Course Code/ Unit	Unit	Course/ Unit Title	2 Credits/ 30 Hours
RUSIKS.O101	I – II	INDIAN KNOWLEDGE SYSTEM	
	I	Ancient Indian Education and Thought System	15
		A. Indian Knowledge System- Meaning, Concept and Importance B. Ancient Indian Education System – <i>Gurukula</i> Tradition and Ancient Indian Universities C. Ancient Indian Religious, Political and Economic Thought	

	II	Art, Science and Technology in Ancient India	15
		A. Ancient Indian Language, Literature and Aesthetics B. Ancient Indian Art and Architecture C. Ancient Indian Sciences, Technology and Medical Tradition – Ayurveda and Yoga	
	Total		30

References:

1. Altekar, A. S., *Education in Ancient India*, Isha Books, New Delhi, 2009.
2. Altekar, A.S., *State and Government in Ancient India*, Motilal Banarsidass Publishing House, Banaras, 1949.
3. Basham, A. L., *The Wonder that was India*, Rupa and Co, Calcutta, 1998.
4. Basham, A. L.(ed.), *Cultural History of India*, Oxford University Press, Delhi, 1998.
5. Bhardwaj, Hari C., *Aspects of Ancient Indian Technology*, Motilal Banarsidass Publishers, New Delhi, 1979.
6. Brown, Percy, *Indian Architecture (Buddhist and Hindu Period)*, Read Books Limited, 2013.
7. Chakravarty, K.C., *Ancient Indian Culture and Civilization*, Vora and Company, Bombay, 1952.
8. Chattopadhyaya, D.(ed.), *History of Science and Technology in Ancient India: Formation of the theoretical fundamentals of natural science*, Firma KLM, 1986.
9. Chauhan, B. C., *Textbook on The Knowledge System of Bharata*, Garuda Prakashan Pvt. Ltd., Delhi, 2023.
10. Gupta, Swarajya Prakash, and Asthana, Shashi, *Elements of Indian Art: Including Temple Architecture, Iconography & Iconometry*, Indraprastha Museum of Art and Archaeology, 2007.
11. Kangale, R.P. (ed. & trans.), *Kautilya Arthashastra*, University of Bombay, Bombay, 1960.
12. Kosambi, D.D., *The Culture and Civilization of Ancient India in Historical Outline*, Vikas Publication, 1994.

13. Mookerji, Radhakumud, *Ancient Indian Education: Brahmanical and Buddhist*, Motilal Banarsidass, Delhi, 1989.
14. Nath, R., *Elements of Indian Art and Architecture*, Historical Research Documentation Programme, 1986.
15. Pillai, Govinda Krishna, *The Hindu Architecture: (śilpa-śāstra)*, Bharatiya Kala Prakashan, 2004.
16. *Science and Technology in Ancient India*, Vijnan Bharati (editor & Publisher), Mumbai, 2002, (reprint 2023).
17. Saletore, Rajaram Narayan, *Encyclopaedia of Indian Culture*, Humanities Press INC, New Delhi, 1983.
18. Sharma, Ram Sharan, *Aspects of Political Ideas and Institutions in Ancient India*, Motilal Banarsidass, New Delhi, 1991.
19. Sibaji Raha, et al, *History of Science in India*, Volume I and VIII, National Academy of Sciences, India and The Ramkrishan Mission Institute of Culture, Kolkata, 2014.
20. Singh, Sahana, *The Educational Heritage of Ancient India: How an Ecosystem of Learning Was Laid to Waste*, Notion Press, Chennai, 2017.
21. Singhania, Nitin, *Indian Art and Culture*, Mc Graw Hill, Uttar Pradesh, 2022.
22. Soni Suresh, *India's Glorious Scientific Tradition*, Ocean Books., New Delhi, 2010.
23. Rowland, Benjamin, *The Art and Architecture of India: Buddhist, Hindu, Jain*, Penguin Books, London, 1970.
24. Verma, Keshav Dev, *Vedic Physics*, Motilal Banarsidass Publishers, New Delhi, 2012.

Books in Marathi:

1. Altekar, Anant Sadashiv, *Prachin Bharatiya Shikshan Padhati*, Suvichar Prakashan, Nagpur, 1935.
2. Deshpande, K.N., Mali, A.L., *Prachin Kalatil Shikshan*, Pune, 1984.
3. Kosambi, D.D., *Prachin Bharatiya Sanskruti Aani Sabhyata*, Diamond Prakashan, Pune, 2006.
4. Sharma, R.S., *Prachin Bharatiya Rajkiya Vichar Aani Sanstha*, Diamond Prakashan, Pune, 2006.
5. Sharma, R.S., *Prachin Bharat*, K Sagar Prakashan, Pune, 2007
6. Tavkar, N.G., *Prachin Bharatiya Vidyapeethe*, Mumbai, 1950.
7. Thatte, Achyut (ed.), *Pracheen Bhaaratatil Vidnyan Ani Tantradnyan*, Vidnyan Bhaarat, Mumbai, 2002.

MODALITY OF ASSESSMENT

Semester End Theory Examination Pattern:

- i. Duration - This examination shall be of **1 Hour** duration.
- ii. There shall be 50 multiple choice questions each of one mark.

Overall Examination and Marks Distribution Pattern

RUSIKS.O101	Semester I		Total
	Internal	External	
Theory	NA	50	50