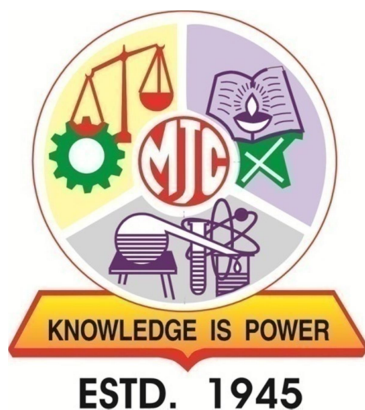


Khandesh College Education Society's
Moolji Jaitha College, Jalgaon

An “Autonomous College”

Affiliated to KBC North Maharashtra University, Jalgaon



SYLLABUS

FYBA/FYBSC/FYBCOM/FYBVA/FYBCA/FYBBA

IKS-111: An Introduction to Indian Knowledge System

As per NEP-2020 Guidelines

[w. e .f. Academic Year: 2024-25]

F.Y.B.A./F.Y.B.Sc./F.Y.B.COM./F.Y.B.V.A./F.Y.B.C.A./F.Y.B.B.A.

IKS-111: An Introduction to Indian Knowledge System

[w. e .f. Academic Year: 2024-25]

SEMESTER-I

Total Hours: 30

Internal Exam.: 20 Marks

Total Credit:02

External Exam.: 30 Marks

Course Objectives:	● Understand the foundational literature, educational systems, and philosophical methodologies within the Indian Knowledge System (IKS). ● Analyze the social, religious, and cultural dimensions of IKS, including the hierarchical structures, religious doctrines, and cultural expressions. ● Evaluate the political and economic principles of ancient India, with a focus on governance, trade, and economic organization. ● Explore the scientific and technological contributions of ancient India, including advancements in astronomy, life sciences, physics, chemistry, and mathematics.	
Course Outcomes:	● Identify and explain the key texts and educational practices that shaped the Indian Knowledge System, and describe their influence on Indian civilization. ● Compare and evaluate the social hierarchies, religious beliefs, and cultural practices within the IKS, and assess their impact on Indian society. ● Analyze the political and economic structures of ancient India, and apply this understanding to contemporary discussions on governance and economics. ● Demonstrate knowledge of ancient Indian scientific achievements, and critically assess their relevance to modern science and technology.	
Unit	Contents	Hours
Unit I	Introduction to Indian Knowledge Sytem (IKS)	07
A	Foundational Literature of Indian Civilization - i. <i>Vedas, Vedangas, Dharmashastra, Upnishadas, Smruti Vangmaya</i> and <i>Mahakavyas (Ramayana and Mahabharata): A Brief Survey</i> ii. Ancient Jain and Buddhist Literature: A Brief Survey	
B	Indian Education System and Purpose of Knowledge i. <i>Gurukul</i> and <i>Ashramas</i> ii. Buddhist Universities	
C	Indian Philosophical Schools and Methodology of IKS i. <i>Aastik Darshanas and their ‘Worldview’.</i> ii. <i>Nastik Darshanas and their ‘Worldview’.</i>	

D	Current Global Outreach of IKS i. Yoga ii. Aayurveda iii. Indian Fine Arts	
Unit II	Social, Religious and Cultural Aspects of IKS	08
A	Social Structure and Hierarchies i. <i>Chaturvarnya</i> ii. <i>Jatisanstha</i> iii. Position of Women	
B	Religious Foundation of IKS i. <i>Karma Siddhant</i> , Theory of Rebirth, <i>Purusharth Siddhant</i> , <i>Sanskaras</i> and <i>Rin Siddhant</i> ii. <i>Yagna-yag</i> and <i>Vedic Pantheon</i> iii. <i>Shaiva</i> and <i>Vaishnav Parampara</i>	
C	Cultural Aspect i. Ancient Art, Architecture and Sculpture. ii. Traditonal Dance, Music and Drama iii. Textile Art	
Unit III	Indian Polity and Economy	07
A	Aspects of Polity i. <i>Sabha</i> , <i>Samiti</i> , <i>Vidhat</i> , Ancient ‘ <i>Ganrajyas</i> ’ and ‘ <i>Rajanya</i> ’. ii. Concept of ‘ <i>Chakravartin</i> ’. iii. Concept of ‘ <i>Rajdharm</i> ’ in <i>Shantiparv</i> , <i>Kautilya</i> and <i>Manu</i> iv. ‘Local Self Government’ in Indian Tradition	
B	Aspects of Economy i. Agriculture, Irrigation, Crop-patterns and Pastoral life ii. Business, Industries and Crafts. iii. Ancient Trade and Commerce, Currency and Coinage iv. Concepts of ‘ <i>Shreni</i> ’, ‘ <i>Pug</i> ’, ‘ <i>Nigam</i> ’ and ‘ <i>Sarthvaha</i> ’.	
Unit IV	Indian Science and Technology	08
A	Indian Astronomy (<i>Shrusthi-Vignyan</i>) i. ‘ <i>Shrushti-vignyan</i> ’ and ‘ <i>Bhugol</i> ’ in IKS ii. ‘ <i>Jyotish</i> ’, ‘ <i>Panchanga</i> ’ and Indian Calendar	
B	Life Sciences in IKS i. Knowledge of Human Anatomy in ‘ <i>Aayurveda</i> ’. ii. Concept of <i>Ashatang Yoga</i> . iii. Traditional Medicinal Animal and Herbs	
C	Physics and Chemistry in IKS i. Ancient Scientists: <i>Aaryabhat</i> , <i>Bhaskaracharya</i> , <i>Kanad</i> , <i>Varahamihir</i> and <i>Brahmagupta</i> ii. Traditional Knowledge of ‘ <i>Rasayan-shastra</i> ’, <i>Rasatantra</i> and <i>Rasakriya</i> iii. Contributions of Modern Indian Scientists to the field of ‘Modern Physics’ and ‘Modern Chemistry’.	

D	Mathematics in IKS - Vedic Mathematics: A brief Introduction - Development of basic mathematical concepts (Like zero, pi, number system) in India. - Contributions of Indian Mathematicians: <i>Mahaviracharya, Bodhayana and Srinivas Ramanujan</i>	
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