

AC – 28.06.2024  
Item No. – 8.1 (N)

## As Per NEP 2020

# University of Mumbai



| <b>Syllabus for<br/>Indian Knowledge System</b>    |   |
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| <b>Board of Studies in Indian Knowledge System</b> |   |
| <b>UG First Year Programme</b>                     |   |
| <b>Semester</b>                                    | <b>I OR II</b>                          |
| <b>Title of Paper</b>                              | <b>Credits</b>                          |
| <b>I) Indian Knowledge System</b>                  | <b>2<br/>( either I or II Semester)</b> |
| <b>From the Academic Year</b>                      | <b>2024-2025</b>                        |

| Sr. No. | Heading   | Particulars   |
|---------|---|---|
| 1       | <b>Description the course :<br/>Including but Not limited to :</b>  | Introduction, relevance, Usefulness, Application, interest, connection with other courses, demand in the industry, job prospects etc. |
| 2       | <b>Vertical :</b>   | Major/Minor/Open Elective /Skill Enhancement / Ability Enhancement/Indian Knowledge System ( Choose By $\surd$ )                      |
| 3       | <b>Type :</b>   | Theory / Practical  |
| 4       | <b>Credit:</b>  | 2 credits ( 1 credit = 15 Hours for Theory or 30 Hours of Practical work in a semester )  |
| 5       | <b>Hours Allotted :</b>   | 30 Hours  |
| 6       | <b>Marks Allotted:</b>  | 100 Marks   |
| 7       | <b>Course Objectives:</b> ( List some of the course objectives ) <ol style="list-style-type: none"> <li>1. To sensitize the students about context in which they are embedded i.e. Indian culture and civilisation including its Knowledge System and Tradition.</li> <li>2. To help student to understand the knowledge, art and creative practices, skills and values in ancient Indian system.</li> <li>3. To help to study the enriched scientific Indian heritage.</li> <li>4. To introduce the contribution from Ancient Indian system &amp; tradition to modern science &amp; Technology.</li> </ol> |   |
| 8       | <b>Course Outcomes:</b> ( List some of the course outcomes ) <ol style="list-style-type: none"> <li>1. Learner will understand and appreciate the rich Indian Knowledge Tradition</li> <li>2. Lerner will understand the contribution of Indians in various fields</li> <li>3. Lerner will experience increase subject-awareness and self-esteem</li> <li>4. Lerner will develop a comprehensive understanding of how all knowledge is ultimately intertwined</li> </ol>  |   |
| 9       | <b>Modules:-</b>  |   |
|         | <b>Module 1: ( 10 Hours )</b>   |   |

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|  | <ol style="list-style-type: none"> <li>1. Introduction to IKS<br/>(What is knowledge System, Characteristic Features of Indian Knowledge System)</li> <li>2. Why IKS?<br/>(Macaulay's Education Policy and its impact, Need of revisiting Ancient Indian Traditions)</li> <li>3. Scope of IKS<br/>(The Universality of IKS (from Micro to Macro), development form Earliest times to 18th Century CE)</li> <li>4. Tradition of IKS<br/>(Ancient Indian Education System: Home, Gurukul, Pathashala, Universities and ancient educational centres)</li> </ol> |
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|           | <p>5. Relevant sites in the vicinity of the Institute<br/>(Water Management System at Kanheri, Temple Management of Ambarnath, etc.)</p>  |  |
|           | <p><b>Module 2: ( 10 Hours )</b></p>  |  |
|           | <p>1. Medicine (Ayurveda)<br/>2. Alchemy<br/>3. Mathematics<br/>4. Logic<br/>5. Art of Governance (Arthashastra)</p>  |  |
|           | <p><b>Module 3: (10 Hours) (Select Any FIVE out of the following)</b></p>   |  |
|           | <p>1. Aesthetics<br/>2. Town Planning<br/>3. Strategic Studies<br/>4. Krishi Shastra<br/>5. Vyakaran &amp; Lexicography<br/>6. Natyashastra<br/>7. Ancient Sports<br/>8. Astronomy<br/>9. Yoga and Wellbeing<br/>10. Linguistics<br/>11. Chitrasutra<br/>12. Architecture<br/>13. Taxation<br/>14. Banking<br/>15. Trade and Commerce</p>   |  |
| <b>10</b> | <p><b>Reference Books</b></p> <p>1. Concise history of science in India- D.M. Bose, S.N Sen, B.V. Subbarayappa.<br/>2. Positive sciences of the Ancient Hindus- Brajendranatha seal, Motilal Banrasidas, Delhi 1958.<br/>3. History of Chemistry in Ancient India &amp; Medieval India, P.Ray- Indian Chemicals Society, Calcutta 1956<br/>4. Charaka Samhita- a scientific synopsis, P. Ray &amp; H.N Gupta National Institute of Sciences of India, New Delhi 1965.<br/>5. MacDonnell A.A- History of Sanskrit literature<br/>6. Winternitz M- History of Indian Literature Vol. I, II &amp; III<br/>7. Dasgupta S.N &amp; De S.K- History of Sanskrit literature Vol. I.<br/>8. Ramkrishna Mission- cultural heritage of India Vol. I, II &amp; III.<br/>9. Majumdar R. C &amp; Pushalkar A.D- History &amp; culture of the Indian people, Vol. I, II &amp; III.<br/>10. Keith A.B- History of Sanskrit literature.<br/>11. Varadachari V- History of Sanskrit literature Chaitanya Krishna- A new History of Sanskrit</p> |  |
| <b>11</b> | <p><b>Continuous Internal Assessment: 40%</b></p>   | <p><b>Semester End Examination : 60%</b></p> |
| <b>12</b> | <p><b>Continuous Evaluation through:</b><br/>Assignment/ Presentations/ Projects<br/>(Group/Individual) / Field Visit Report<br/><b>20 Marks,</b><br/>class Test / MCQ Test <b>10 Marks,</b><br/>Overall Conduct and Class Participation <b>10</b></p>  |  |

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|           | <b>Marks</b>  |   |
| <b>13</b> | <b>Format of Question Paper:</b> for the final examination<br>Q1. Attempt any TWO Questions out of FIVE.<br>Q2. Attempt any FIVE Questions out of TEN<br>Q3. Attempt any FIVE Questions out of FIFTEEN. | <b>10 Marks</b><br><b>25 Marks</b><br><b>25 Marks</b> |

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**Dean**  
**Name of the Faculty**

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