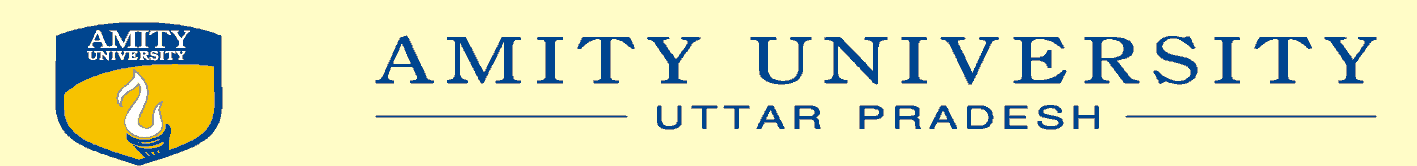
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **L** | **T** | **P/S** | **SW/FW** | **TOTAL CREDIT UNITS** |
| 1 | 0 | 0 | 0 | 1 |

**Course Title: Aspects of Indian History for Engineers**

**Course Code: to be generated**

**Level: UG**

**Course Objectives:** The paper is designed to provide adequate understanding of history and scientific achievements of Ancient India.

**Pre-requisites:** The student should have keen interest to know the history of India.

**Student Learning Outcomes:**

At the end of the course the student will be able to:

* Identify major dynasties.
* Examine social, economic and cultural conditions.
* Analyze the scientific achievements.
* Recognize the ancient heritage.
* Examine the past and present scenario.

|  |  |
| --- | --- |
|  | Weightage% |
| **Module I - Ancient India: The beginning (2600- 600 BCE)** | 20 |
| * Salient features of Harappan Culture   + Town planning, Drainage system, Great Bath, Buildings, Seals, Social and economic condition, Reasons of decline * Vedic Period   + Vedic literature, Social ,Political and Economic conditions * Rise of Buddhism and Jainism |  |
| **Module II - From states to empires** | 20 |
| * Early kingdoms & republics : Sixteen Mahajanpadas & ten Republics * The Mauryan Empire: Origin & growth, Administration, Achievements of Chandragupta, Ashokan Dhamma policy |  |
| **Module III- The Golden Period** | 20 |
| * Achievements of Kanishka, Samudragupta and Chandragupta II, The Gupta administration & its decline. Main features of the Golden Era |  |
| **Module IV- Scientists & Scientific Achievements in Ancient India** | 40 |
| * Astronomy in ancient India * Mathematics in ancient India * Metallurgy & Alchemy in Ancient India * Civil engineering & architecture in ancient India * Medicine – Ayurveda,Surgery,Yoga in ancient India * Agriculture Development and 5 elements of Existence   Baudhayan, Aryabhtatta, Brahmgupta, Bhaskaracharya, Varahamihira, Nagarjuna ,Susruta, Charak & Patanjali. |  |

**Pedagogy for Course Delivery:**

Lectures, Interactive sessions, Case studies, Quiz , PPT

**Assessment/ Examination Scheme:**

|  |  |  |
| --- | --- | --- |
| **Theory L/T (%)** | **Lab/Practical/Studio (%)** | **End Term Examination** |
| 30% | NA | 70% |

**Theory Assessment (L&T):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Continuous Assessment/Internal Assessment** | | | | | **End Term Examination** |
| **Components (Drop down)** | **CT** | HA | CP | Attendance | **70%** |
| **Weightage (%)** | 10% | 10% | 5% | 5% |  |

**Text**

|  |
| --- |
| * A History of Ancient and Early Medieval India:From the Stone Age to the 12th Century by Upinder Kaur * Penguin History of Early India by Romila Thapar * Ancient India by V D Mahajan |

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Date: Name, Designation, Organisation