

ENVIRONMENTAL HISTORY

Semester	Subject code	Category	Lecture		Theory		Practical	Credits
			Week Hr	Total Hr/sem	Week Hr	Total Hr/sem		
VI	21CHI6E	Elective – IV	4	60	4	60	-	3

COURSE OBJECTIVES:

- To evaluate the importance and need for the Environmental History.
- To interrogate one's own Moral values, and to be aware of ethical issues towards nature.
- To review and to analyze the indicators for Environmental Concerns.
- To work independently in terms of analyzing and understanding Nature.

COURSE OUTCOMES:

On the successful Completion of the course, students will be able to

CO Number	Co Statement	Knowledge Level
CO1	Understand the evolution of Nature	K1, K2
CO2	Understand the Topographical divisions and the importance of Man-Nature Relationship.	K1, K2
CO3	Understand the Impact of Industrialism, Colonialism and Importance of water as a Natural Resource	K1, K2
CO4	Cultivate ability to look at and evaluate the present-day issues through the past and as part of the wider network of local and global needs	K1, K2
CO5	Understanding development and environmental concerns and ability to interrogate one's own ethical values and to be aware of ethical issues.	K1, K2

(Knowledge Level: K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze)

MAPPING WITH PROGRAM OUTCOMES:

COS	PO1	PO2	PO3	PO4	PO5
CO1	M	S	M	S	M
CO2	M	M	S	M	S
CO3	M	S	M	S	M
CO4	S	M	S	M	M
CO5	M	S	M	S	M

(S – Strong M – Medium L – low)

Unit: I **15 Hours**

ENVIRONMENTAL STUDIES - Nature, Scope and Importance of Environmental History, Early Societies Nomadic Pastoralism, Hunting-Gathering, Resource Use and Human Societies And Agricultural Societies Agricultural Diffusion and Regional Specificities - River Valley Civilization, Origins of Agriculture, Tamilakkam, Sangam Literature and the Ecological Concept of Tinai - Tolkappiyam landscape - Kurinji (Mountainous Regions), Mullai (Forests), Marutam (Crop Land) , Neital (Seashore) and Pālai (Desert)

Unit: II **15 Hours**

CONSERVATION THROUGH AGES - Pre-Vedic Period - Importance of Eco-Balance, Ethos of Vedic Age , Five Natural Forces (Air, Water, Earth, Sun, and Rain) Environmental Awareness in other Religions In India – Hinduism - Trees Animals Birds associated with Gods and Goddesses, Buddhism and Admiration for Environment Protection, Jainism Love for Nature , Sikhism, Christianity and Islam. Mauryan Rule and Preservation of Environment, Kautilya's Arthashastra – Kuppy Adhyaksha (Forest Produce), Seet adhyaksha (collecting seeds) , Abhayaranya (Protector of Animals), Vrukshache Dane (Protector of Trees). Sacred Groves- Kovilkādu. Delhi Sultanate, Mughal India, European Colonization, Industrialization, Urbanization, Increase of Population.

Unit: III **10 Hours**

ENVIRONMENTAL PROTECTION AND CURRENT ISSUES - Biosphere Reserves, Biodiversity Act, 2002 , Gandhian Philosophy – Hind Swaraj - Self-Contained Village Civilization, Bishnoi Society, Chipko Movement, Making Afforestation Mandatory in CSR Programmes 2013, Inter-State Water Disputes , Inter-Linking Rivers: The National Water Grid, Flood Management, Water Pollution, Ecological Troubles are Social Troubles, Nuclear Hazard.

Unit: IV **10 Hours**

ENVIRONMENT AND HUMAN HEALTH - Types of diseases - **Deficiency Diseases** - Anaemia, Rickets ,Teeth and Gum Diseases, **Communicable Diseases** - Epidemic, Endemic, Pandemic - COVID-19, **Non-Communicable Diseases** - Cancer, Cardio-Vascular Diseases. Impacts of Solid Waste on Health.

Unit: V **10 Hours**

ENVIRONMENTAL ETHICS - Conservation Ethic and Traditional Value Systems, Individual Responsibilities - Fundamental Duties, Conservation of Resources and Protection of Environment, Water Conservation Methods, Reduce, Reuse, and Recycle , Problems of Population Explosion, Environment Education and Awareness,

Distribution of Marks: Theory :100%

TEACHING METHODOLOGY

Lectures / Role Playing

Online / Offline Assignments

Discussions / Case Studies:

Study Tours / Field Visits

Seminar Presentation

PPT Presentations

Online Sessions Audio / Video

TEXT AND REFERENCE BOOKS

S.no	Authors	Title	Publishers	Year
1.	Eastern Institute for Integrated Learning in Management University - EIILM	History of Ecology and Environment: India	Sikkim University Namchi	2020
2.	Kamla Nath Sharma	Environment in Ancient India	Springer Science+Business Media Dordrecht	2014
3.	Madhuri Parikh	Environmental through the Ages in India	submitted for the Degree of Doctor in Philosophy in law	2012
4.	Jacobs, Nancy J	Environment, Power, and Injustice: A South African History. Cambridge, U.K., and New York	Cambridge University Press,	2003.
5.	McCann, James C	Green Land, Brown Land, Black Land: An Environmental History of Africa, 1800–1990.	Portsmouth, N.H.: Heinemann,	1999.
6.	Kaufman, Polly Welts	National Parks and the Woman's Voice: A History.	University of New Mexico Press,	1996
7.	Arnold, David, and Ramachandra Guha	Nature, Culture, Imperialism: Essays on the Environmental History of South Asia.	Oxford University Press Delhi, India,	1995
8.	Cronon, William	A Place for Stories: Nature, History, and Narrative.	Journal of American History 78	1992
9.	Huyer S, Hafkin N, Ertl H, Dryburgh H	Ecological Imperialism: The Biological Expansion of Europe, 900–1900 a.d. Cambridge, U.K., and New York:	Cambridge University Press, measuring info states for development	1986

10.	Crosby, Alfred W	The Columbian Exchange: Biological and Cultural Consequences of 1492	Westport, Conn.: Greenwood	1972
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WEB SOURCES

1. <https://theprint.in/health/pandemic-epidemic-endemic-what-these-mean-and-how-they-are-different-from-each-other/380224/>
2. <https://www.verywellhealth.com/difference-between-epidemic-and-pandemic-2615168>
3. <https://www.livescience.com/pandemic.html>
4. <https://www.youtube.com/watch?v=2Et0fCYgjrE>
5. <https://www.livescience.com/worst-epidemics-and-pandemics-in-history.html>
6. <http://ecoursesonline.iasri.res.in/mod/page/view.php?id=26284>
7. <https://www.encyclopedia.com/history/dictionaries-thesauruses-pictures-and-press-releases/environmental-history>
8. <http://ecoursesonline.iasri.res.in/mod/page/view.php?id=26269>

Name of the Syllabus Designer

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