

PGV4003PV IN TUNE WITH NATURE

(THEORY)

LEARNING OUTCOME:

2

hrs./wk.

On successful completion of the course, the student will be able to

- recognize the importance of ecological balance and human interaction
- internalize the seven environmental principles that form the basis of all environmental issues
- reflect critically the roles and responsibilities towards conservation of earth's resources

COURSE CONTENT:

UNIT I: ENVIRONMENT

7 hrs.

Network of living and non-living things, Physical components (air, water, land, energy) – Biological components (Plants and Animals) – Socio-economic components (people, communities, institutions and values) – Seven environmental principles.

UNIT II: ECOSYSTEM AND COMMUNITY

8 hrs.

Interaction between living and non-living components (Everything is connected to everything else) – Biodiversity: Ecosystem, Species and Genetic diversity (All forms of life are important) – Nutrient cycling, disruption in cycling. (Nature knows best) – Waste management and Environment management systems (Everything must go somewhere) – Pollution and its effects

UNIT III: NEED FOR CONSERVATION

8 hrs.

Sustainable development (Ours is a finite earth) – Natural resource management- Renewable and Non-renewable resources: Forest, Water, Mineral, Food, Energy, Land – Use and exploitation of resources and associated issues (Everything changes) – Desertification – Deforestation – Problems of tribals – Conflicts over water – Effects of modernization – Global warming – Case Studies.

UNIT IV: DIVINITY IN ALL FORMS OF LIFE

7 hrs.

Religion – Values and environment (Nature is beautiful, and we are stewards of God's creation) – Environmental Ethics – Coexistence with nature – Respect for Animal and Plant Rights – Individual accountability and social responsibility – Sustainable life style – Reducing individual ecological footprint.

REFERENCE BOOK(S):

Environment and Society (VBC), LDC Booklet Series No. 7, Lady Doak College, Madurai, 2003.print

Environmental Values, An International peer-reviewed journal, United Kingdom, White Horse Press, since 1992. Print.

Gore,Al, *Earth in the Balance, Ecology and the Human Spirit*, New York, Plume Penguin Books, 1992.print.

Gadgil M. and Guha R., *The Use and Abuse of Nature*, 3rd edition, New Delhi, Oxford University Press, 2002.Print.

Gunaseeli, R., Rajendran, P., Rosalind, JM., and Murugesan, A., Editors. A Learner-Centered Instruction Manual for Environmental Education, Centre for Environmental Studies, Lady Doak College, 2017.print.

In Tune with Nature (VBC), LDC Booklet Series No. 6, Madurai, Lady Doak College, 2003.print.

Miller GT, *Living in the Environment*, 6th edition, California, Wad worth Publishing Company, 1994.Print.

Rao, A., *The Story of Environment*, Indian Publishers & distributors, New Delhi, 2000.Print.

Wagner RH, *Environment and Man*, INC New York, W.W.Norton & Company, 1971.Print.

WEBSITE(S):

<https://helpsavenature.com/what-is-environmental-ethics> 11.2.2019

http://environment-ecology.com/what-is-nature/108-what-is-nature.html#Human_interrelationship
11.2.2019

<https://www.conserve-energy-future.com/what-is-an-ecosystem.php>11.2.2109

<https://www.greenlivinganswers.com/archives/175> 11.2.2019