

W.e.f. - 2020-21

Hemchandracharya North Gujarat University, Patan

B.Sc. Sem- 2 Elective (Generic)

Code: SC-3

Environmental Science

Unit - 1

The Environment: The Atmosphere, Hydrosphere, Lithosphere, Biosphere, Ecology, Ecosystem, Biogeochemical Cycle (Carbon Cycle, Nitrogen Cycle), Environment Pollution: Air Pollution, Water Pollution, Soil Pollution, Radiation Pollution, land pollution, noise pollution, thermal pollution.

Unit - 2

Population Ecology: Individuals, Species, Pollution, Community, Control Methods of Population, Urbanization and its effects on Society, Communicable Diseases and its Transmission, Non-Communicable Diseases. Environmental Movements in India: Grass root Environmental movements in India, Role of women, State Pollution Control Board, Central Pollution Control Board.

References

1. Textbook of Environmental Studies for Undergraduate Courses by Erach Bharucha Second edition, 2013, Universities Press (India) Private Ltd, Hyderabad.
2. Basics of Environmental Studies by Prof Dr N S Varandani, 2013, Lambert Academic Publishing, Germany.
3. Environmental Studies by Anindita Basak, 2009, Pearson.
4. Textbook of Environmental Studies by Deeksha Dave & S S Kateva, Cengage Publishers.
5. Environmental Sciences by Daniel B Botkin & Edward A Keller, John Wiley & Sons.
6. Environmental Studies by R. Rajagopalan, Oxford University Press.
7. Environmental Studies by Benny Joseph, Tata McGraw Hill.
8. Environmental Studies by Dr. Suresh K Dhameja, 2007, S K Kataria & Sons New Delhi.
9. Basics of Environmental Studies by U K Khare, 2011, Tata McGraw Hill.