

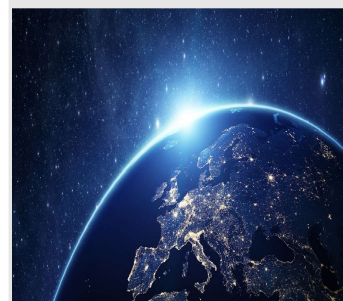
20BB111 GEOGRAPHY AND ENVIRONMENTAL STUDIES

Hours Per Week :

L	T	P	C
4	-	-	4

Total Hours :

L	T	P
50	-	-

**Source :**<https://www.enr.com>

COURSE DESCRIPTION AND OBJECTIVE:

This course gives basic exposure on the concept of geography in India and will gain factual knowledge about the world and its regions focusing on the diversity of natural and cultural landscape features, and identify some basic principles, definitions, and themes in the subject matter of geography. It also creates awareness on various environmental issues and develops an attitude of concern for the environment and also motivates the students to participate in environmental protection and improvement.

COURSE OUTCOMES:

Upon completion of the course, student will able to achieve the following outcomes:

COs	Course Outcomes	POs
1	Understand the fundamentals of geography	6
2	Learn milestones in India's scientific and technological progress	6
3	Adopt Green technology for sustainable development	5,6
4	Gain the concept on the importance of biodiversity and take responsibility to conserve it	5,6
5	Identify the impacts of environmental issues and apply technology to research and analyze the problems	5,6

SKILLS :

- ✓ *Contact an NGO and find out their system of accounting.*

UNIT - I

L-10

Geography: Fundamental concepts of Geography-Physical Geography of India – River systems, climate, soils, minerals, geological Strata, climatic regions, natural vegetation, Races and Physical Types of People.

UNIT - II

L-10

Scientific and Technological Development: Milestones in India's scientific and technological progress in diverse fields – space, Nuclear, IT, Defense, Agriculture and Rural technologies- Prominent scientists of India and their contribution -Recent initiatives to spread scientific temper and S & T practices.

UNIT - III

L-10

Energy Sources: Sources of Energy-availability and consumption pattern, Energy policy and pricing Issues relating to hydel power (Big Dams), Thermal Plants and Nuclear power, Green Energy technologies and their importance.

UNIT - IV

L-10

Biodiversity: Concept of Biodiversity, Sustainable Development-Ecosystems and their management -Biodiversity of India, Biodiversity at global, national and local level, Biodiversity hot spots of India, Threats to biodiversity and conservation methods.

UNIT - V

L-10

Environmental issues: Magnitude, causes and consequences of environmental pollution in India - Factors that led to global warming, acid rain and ozone depletion -Recent international protocols to tackle climate change, Carbon trading and its implications -Environmental impact assessment - Introduction, Scope and objectives, Importance of E.I.A in proposed projects / industry /developmental activity.

TEXT BOOKS:

1. Benny Joseph, "Environmental studies", 2nd edition, McGraw Hill Education, 2015.

REFERENCE BOOKS:

1. Dr. K. Mukkanti, "A Text book of Environmental Studies", S.CHAND Company Ltd, 2009.
2. Dr. M. Chandrasekhar, "A Textbook of Environmental Studies", HI-TECH publications, 2006.
3. Dr. Thomas and K. Siddhartha, "Bio & Environmental Geog. Biosphere A Geography of Life
4. Environmental Geology –By Valdiya.1987, TMH