

# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 2F of UGC Act, 1956 vide U.P. Act 22 of 2010.

BMC001	ENVIRONMENTAL SCIENCES	3L:0T:0P	0 credits
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## MODULE 1

Introduction to Environmental Science - Definition and scope and need for public awareness  
Ecosystems, Concept, structure and functions, restoration of damaged ecosystems  
Biodiversity – Definition, description at national and global level, threats and conservation

## MODULE 2

Natural Resources - Renewable and non-renewable and their equitable use for sustainability,  
Material cycles – carbon, nitrogen and sulphur cycle. Conventional and Non-conventional  
Energy Sources – fossil fuel-based, hydroelectric, wind, -nuclear and solar energy, biomass,  
biodiesel, hydrogen as an alternative fuel.

## MODULE 3

Transportation and industrial growth Social Issues Related to Environment–Sustainable  
development, reset lement and rehabilitation Environmental ethics.

## MODULE 4

Environmental Changes and Human Health Environmental Pollution–Definition, causes and  
effects, control measures for water, air, soil, noise, thermal pollution.

### Textbook:

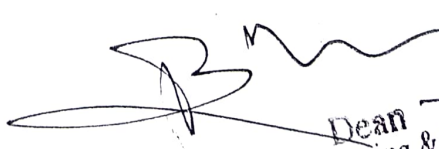
1. Environmental Studies, J Krishna wamy, RJ Ranjit Daniels, Wiley India.


### Reference Books:

2. Environmental Science, Bernard J. Nebel, Richard T. Right, 9780132854467, Prentice Hall Professional 1993.
3. Environment and Ecology, RK Khandal, 978-81-265-4277-2, Wiley India.

  
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Effective from session 2020-21

