

ASSIGNMENT BOOKLET

**For All Bachelor's Degree Programme under CBCS
(BSCG/ BAG/BCOMG)**

AECC ON ENVIRONMENTAL STUDIES (BEVAE-181)

Valid from 1st January, 2023 to 31st December, 2023



**School of Sciences
Indira Gandhi National Open University
Maidan Garhi
New Delhi-110068
(2023)**

Dear Student,

Please read the section on assignments in the Programme Guide that we sent you after your enrolment. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation, **which would consist of one tutor-marked assignment** for this course. The assignment is in this booklet, and it consists of two parts, Part A and B. The total marks of all the parts are 100, of which 35% are needed to pass it.

Instructions for Formatting Your Assignments

Before attempting the assignment please read the following instructions carefully:

- 1) On top of the first page of your answer sheet, please write the details exactly in the following format:

ROLL NO.:

NAME:

ADDRESS:

.....

.....

COURSE CODE:

COURSE TITLE:

ASSIGNMENT NO.:

STUDY CENTRE: **DATE:**

PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.

- 2) Use only foolscap size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) Solve Part A and Part B of this assignment, and **submit the complete assignment answer sheets within the due date.**
- 6) The assignment answer sheets are to be submitted to your Study Centre within the due date. **Answer sheets received after the due date shall not be accepted.**

We strongly suggest that you retain a copy of your answer sheets.

- 7) This assignment is **valid from 1st January, 2023 to 31st December, 2023**. If you have failed in this assignment or fail to submit it by December, 2023, then you need to get the assignment for the year 2024, and submit it as per the instructions given in the Programme Guide.
- 8) **You cannot fill the examination form for this course** until you have submitted this assignment. For any kind of enquiry, you can contact: subhakanta@ignou.ac.in.

We wish you good luck.

Tutor Marked Assignment AECC on Environment Studies

Course Code: BEVAE-181

Assignment Code: BEVAE-181/TMA/2023

Maximum Marks: 100

Note: Attempt all questions. The marks for each question are indicated against it.

PART-A

1. Why ecological significance of forest is more important in present day context? Explain. (8)
2. Answer the following questions in about 125 words each. (4x5=20)
 - a) Explain the characteristics of Western Ghats for inclusion as Biodiversity hotspots.
 - b) Why hydropower is regarded as the best source of energy? Explain it in detail.
 - c) The importance of Biomass has been increasing day by day in our surroundings among renewable resources. Explain it with suitable examples.
 - d) How does air pollution affect the atmospheric processes?
 - e) What is Disposal of waste? Why segregation of waste is needed?
3. Explain the human-environment relationship by taking examples of biotic and abiotic components? (7)
4. “As humans civilisation progressed, man started altering the environment in the pursuit of creating an economic, social and cultural environment of his own choice. This slowly resulted in the depletion of natural resources and degradation of environment.” Explain it in context of national legislations of water acts? (7)
5. “Biosphere reserves are internationally recognised areas established to promote and demonstrate a balanced relationship between Humans and the Biosphere.” Elaborate this statement in the context of conservation of nature? (8)

PART-B

6. Explain the following terms in about 60 words each: (2x4=8)
 - (a) Seed Bank
 - (b) Incineration
 - (c) Biological Oxygen Demand
 - (d) Public Health
7. Answer the following questions in about 150 words each. (5x4=20)
 - (a) What is lentic and lotic ecosystem? Explain these two with suitable examples.
 - (b) What is ecological succession? Explain the types of succession with suitable diagrams.
 - (c) Explain the biocentrism and ecocentrism in context of human’s attitude towards nature?
 - (d) Define natural calamities and its types with suitable examples.
8. Explain the causes of ozone depletion? How do ultraviolet rays affects human health, animals, plants, micro-organisms, water and air quality. (7)
9. “Education for environmental awareness is essential for the younger generation as well as for the older generation.” Explain the statement with suitable examples. (7)
10. “Water Harvesting is one of the effective measures to combat drought.” Explain this statement with suitable arguments. (8)