

**ASSIGNMENT BOOKLET**

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

**AECC ON ENVIRONMENTAL STUDIES (BEVAE-181)**

**Valid from 1<sup>st</sup> July, 2021 to 30<sup>th</sup> June, 2022**



**School of Sciences  
Indira Gandhi National Open University  
Maidan Garhi  
New Delhi-110068  
(2021-2022)**

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:

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**ROLL NO.:** .....

**NAME:** .....

**ADDRESS:** .....

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**COURSE CODE:** .....

**COURSE TITLE:** .....

**ASSIGNMENT NO.:** .....

**STUDY CENTRE:** ..... **DATE:** .....

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**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 1<sup>st</sup> July, 2021 to 30<sup>th</sup> June, 2022**. If you have failed in this assignment or fail to submit it by June, 2021, then you need to get the assignment for the year 2022-23, 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](mailto:subhakanta@ignou.ac.in).

We wish you good luck.

**Tutor Marked Assignment**  
**AECC on Environment Studies**

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Course Code: BEVAE-181

Assignment Code: BEVAE-181/TMA/2021-2022

Maximum Marks: 100

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

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**PART-A**

1. “Sustainable development is an ideal goal towards which all human societies need to be moving” Justify the statement in about 250 words (8)
2. Differentiate between the following terms by giving suitable examples in about 125 words each: (4x2=8)
  - (a) Genetic and species diversity
  - (b) Direct and indirect use value of biodiversity
3. Answer the following questions in about 150 words each. (5x4=20)
  - (a) What is biodiversity hotspot? Why is India considered as a mega biodiversity hotspot?
  - (b) Describe the life forms of aquatic ecosystem found in different zones with suitable examples and diagrams.
  - (c) Differentiate between the surface and ground water. Describe the factors responsible for degradation of water.
  - (d) Write a short note on nitrogen cycle with the help of a diagram.
4. Why is there a need for participatory forest management? How does Forest Right Act, 2006 helps tribal and forest dwellers? Explain with suitable examples in about 200 words. (7)
5. Critically evaluate non-polluting energy systems in India. Elucidate your answer with suitable examples in about 200 words. (7)

**PART-B**

6. Explain the following terms in about 60 words each: (2x4=8)
  - (a) Environmental Justice
  - (b) Agenda 21
  - (c) Greenhouse Effect
  - (d) Climate change
7. Answer the following questions in about 150 words each. (5x4=20)
  - (a) Explain any four impacts of improper waste disposal with suitable examples.
  - (b) What is Ozone Layer Depletion? Describe its effects.
  - (c) Describe the role of Central Pollution Control Board (CPCB) as an institution for monitoring the pollution levels of environment.
  - (d) How do collective actions help in addressing environmental issues and concerns? Explain.
8. “Protected areas play a very important role in in-situ conservation of species.” Elucidate the statement with respect to present day context in about 200 words. (7)
9. ‘Polluted water is a threat to our health and survival of life forms’ Explain it with respect to different agents of water pollutants in about 200 words. (7)
10. How do natural disasters as floods and cyclones adversely affect the lives and properties? Explain your answer with suitable examples in about 250 words. (8)