



RABINDRA BHARATI UNIVERSITY
CENTRE FOR DISTANCE AND ONLINE EDUCATION
ASSIGNMENT FOR INTERNAL ASSESSMENT
ENVIRONMENTAL STUDIES
[SEMESTER IV, 2023-2024 (CBCS mode)]
M.A. SEMESTER IV EXAMINATION 2025

Instructions regarding Internal Assessment preparation and submission:

- i. All answers should be **hand written**;
- ii. **Internal assessment should be arranged as follows:**
 - a. Cover page (to be downloaded from website)
 - b. Copy of ID card
 - c. Payment receipt for admission to Semester IV
 - d. Question paper
 - e. Contents
- iii. Answer any **one** question for each of **Courses C.C. 4.1, C.E.C 4.1 – 4.2 and O.E.C. 4.1 – 4.2.**
- iv. For **C.C. 4.1 (Dissertation)**, candidate has to write in brief (4-5 pages maximum) on the dissertation topic allocated to them by their respective LSC. This will be submitted along with the answers to other questions as instructed.
- v. **IAs to be submitted to respective LSCs by on or before date specified at the university website.**

No IA submission will be accepted after the specified date.



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C.C. 4.1: Dissertation

Q1. Answer the following: (1 × 10 = 10)

- a. Write a brief summary of your dissertation topic. [10]

C.E.C. 4.1: Environmental Management III

Q2. Answer any one from the following: (1 × 10 = 10)

- a. Give a schematic representation of the different stages of environmental management. What are the benefits of implementing an environmental management system for an organization? [4+6]
- b. What are TQEM tools? Discuss in brief how TQM is responsible for boosting circular economy. [2+8]
- c. Write short notes on: (a) Corporate Social Responsibility (b) ISO14001 [5+5]

C.E.C. 4.2: Environmental Management IV

Q3. Answer any one from the following: (1 × 10 = 10)

- a. Define fourth generation biofuels. Describe the various aspects of bioethanol with the help of a suitable diagram. [2+8]
- b. What is biomining? Explain how biomining can help to extract metals from acid mine drainage. What are the advantages of biomining? [2+4+4]
- c. Write short notes on: (a) Biomagnification; (b) Bioaugmentation [5+5]

O.E.C. 4.1: Disaster Management I

Q4. Answer any one from the following: (1 × 10 = 10)

- a. What is disaster mapping? Discuss the significance of disaster mapping in disaster management. What are the recent developments in the field of disaster mapping? [2+5+3]
- b. Describe with neat diagrams the formation and structure of a Tropical Cyclone. [10]
- c. Write short notes on: (a) NDMA; (b) Disaster induced displacement [5+5]

O.E.C. 4.2: Disaster Management II

Q5. Answer any one from the following: (1 × 10 = 10)

- a. What are P waves and S waves? Briefly discuss the strategies adopted for earthquake management in India. [4+6]
- b. Define “nuclear accident”. Write a note on two case studies of nuclear disaster. [2+8]
- c. Write short note on: (i) Disaster management cycle; (ii) Landslide risk management [5+5]