



**RABINDRA BHARATI UNIVERSITY
CENTRE FOR DISTANCE AND ONLINE EDUCATION
ASSIGNMENT FOR INTERNAL ASSESSMENT
ENVIRONMENTAL STUDIES
[SEMESTER IV, 2020-2021 (CBCS mode)]
M.A. SEMESTER IV EXAMINATION 2022**

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. Question paper
 - d. 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.



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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. Briefly explain the measures being adopted to mitigate global climate changes. [10]
- b. What is Integrated Environmental Management (IEM)? State the benefits of IEM. Briefly discuss the key elements of IEM? [2+2+6]
- c. What are ecolabels? Enlist different ecolabels with their respective logos, geographic scope and attributes. [2+8]

C.E.C. 4.2: Environmental Management IV

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

- a. Write short note on: (i) Vermicomposting; (ii) Phytoremediation [5+5]
- b. Define bioremediation. Briefly discuss different types of bioremediation approaches. [2+8]
- c. What are biofuels? With the help of a table illustrate the feedstock and production process of first, second, third and fourth generation biofuel. State the primary components of syngas. [2+6+2]

O.E.C. 4.1: Disaster Management I

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

- a. Define vulnerability. On which factors does vulnerability of a given hazard depend? Explain the significance of a vulnerability index? [2+5+3]
- b. Identify the steps for monitoring displacement under the disaster management cycle. Discuss the International and National policies on displacement. [3+7]
- c. State the significance and objectives of counter disaster plans (CDP) in disaster management. Briefly discuss the key steps in counter disaster planning and management. [4+6]

O.E.C. 4.2: Disaster Management II

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

- a. Discuss the different causes of floods. State the different adverse effects of flood. [5+5]
- b. What is the significance of a HAZOP study? Mention the different phases of a HAZOP study. State the advantages and disadvantages of a HAZOP study. [2+2+6]
- c. Write short note on: (i) Effects of avalanche; (ii) Fukushima Daiichi nuclear disaster, 2011 [5+5]