



**DIRECTORATE OF DISTANCE EDUCATION
RABINDRA BHARATI UNIVERSITY
ASSIGNMENT FOR INTERNAL ASSESSMENT
ENVIRONMENTAL STUDIES
[PART I, 2017-18]**

PAPER I

Q1. Answer any five

(5 x 2 = 10)

- (i) What do you mean by ecosystem services?
- (ii) What are the drawbacks of hydroelectric power project?
- (iii) What is solar constant?
- (iv) What is carrying capacity?
- (v) What is “Y” shaped energy flow model?
- (vi) Comment on Tagore’s idea of autecology.
- (vii) What are the indicators of economic development?

Q2. Answer any two (2X5 = 10)

- (i) Define food chain. Describe different types of food chain.
- (ii) Enlist the advantages and disadvantages of solar energy. State the applications of solar energy.
- (iii) Differentiate between resource and waste. Mention some methods for converting waste to resources.
- (iv) Draw and describe the structural components of pond ecosystem.

PAPER II

Q1. Answer any five

(5 x 2 = 10)

- (i) Differentiate between BOD and COD.
- (ii) What is the significance of Montreal Protocol?
- (iii) What is eutrophication?
- (iv) What are the common effects of exposure to radioactive radiation?
- (v) What is biomagnification?
- (vi) What is Persistent Organic Pollutant?
- (vii) Define continental shelf.

Q2. Answer any two

(2 x 5 = 10)

- (i) Describe different processes of biological treatment of wastewater.

- (ii) Write a brief note on Ganga Action plan.
- (iii) Discuss the management of E-waste in brief.
- (iv) What is acid rain? Describe its causes and effects.

PAPER III

Q1. Answer any five

(5 x 2 = 10)

- (i) What is agroforestry?
- (ii) Name any two Ramsar Site present in India.
- (iii) What is renewable resource?
- (iv) Differentiate between *in-situ* and *ex-situ* conservation.
- (v) What are the hazards associated with coal mining?
- (vi) Name the two isotopes of Hydrogen.
- (vii) What are the basic ecological differences between tropical and temperate forest?

Q2. Answer any two

(2 x 5 = 10)

- (i) What is wind energy? Mention its advantages and disadvantages in India.
- (ii) Explain the main causes of deforestation.
- (iii) Write a brief note on Joint Forest Management.
- (iv) Write a brief note on OPEC and its role in oil trade.

PAPER IV

Q1. Answer any five

(5 x 2 = 10)

- (i) What is Brundtland Commission?
- (ii) What is ecofeminism?
- (iii) Mention the crucial documents adopted at the Rio Earth Summit.
- (iv) What were the causes behind the Bhopal Gas Disaster?
- (v) What do you mean by ecological security?
- (vi) Write the full forms of UNEP, IPCC, FAO and UNFCCC.
- (vii) Define greenhouse gas with example.

Q2. Answer any two

(2 x 5 = 10)

- (i) Briefly discuss the causes, progress and achievements of Silent Valley Movement.
- (ii) Discuss the role of NGOs in environmental protection.
- (iii) Write a brief note on Intellectual Property Rights.
- (iv) What are the main features of Agenda 21.

PAPER V

Q1. Answer any five

(5 x 2 = 10)

- (i) What do you mean by “Mega-diversity” country?
- (ii) What is biofuel?
- (iii) What is cost-benefit ratio?
- (iv) What are the indicators of sustainable development?
- (v) What is GDP?
- (vi) What do you mean by optimum population?
- (vii) What is ecotourism?

Q2. Answer any two

(2 x 5 = 10)

- (i) What is EIA? Explain the different stages of EIA.
- (ii) Discuss the role of environment in relation to economy.
- (iii) Discuss the environmental problems related to forestry sector in India.
- (iv) What do you mean by overpopulation? Discuss its relationship with environmental problems.