

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Course: Fundamentals of Environment

Programme: PGDEM-01

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
- ii. All questions are to be attempted in legible handwriting on plane white A 4 size paper is to be submitted to the Directorate of Distance Education for evaluation either in person or through Speed Post.

Note: All questions are compulsory. All questions carry equal marks.

1. What is soil? Explain soil profile with the help of a diagram. 5
2. What is population ecology? Discuss the characteristics of a population. 5
3. Define ecological succession. Discuss various types of ecological succession. 5

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Course: Fundamentals of Environment

Programme: PGDEM-01

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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1. Define ecosystem. Discuss the biotic and abiotic components of ecosystem. 5
2. Compare the effects of modern verses traditional agriculture. 5
3. What are the major causes and effects of deforestation? 5

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Course: Natural Resource Conservation and Management

Programme: PGDEM-02

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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1. Define biodiversity. Discuss the methods used for conservation of biodiversity. 5
2. What are the essential criteria for biosphere reserves? 5
3. Define rain water harvesting. Enumerate methods used for rain water harvesting. 5

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Course: Natural Resource Conservation and Management

Programme: PGDEM-02

Year-1st

Total Marks=15

Important Instructions

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1. Define National parks. Differentiate between national parks and bird sanctuaries. 5
2. Discuss the ecological significance of forests. 5
3. What is bioleaching? Discuss its advantages and disadvantages. 5

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Course: Environment Pollution

Programme: PGDEM-03

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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1. How does industrial effluent affect the water quality? 5
2. Discuss the important gases in the atmosphere that act as pollutants. 5
3. How will you measure noise pollution? What are the standards of noise pollution in India? 5

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Course: Environment Pollution

Programme: PGDEM-03

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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1. Define eutrophication. How it leads to aging of a lake? 5
2. Discuss the impacts of air pollutants on human health and plants. 5
3. What are the different sources of radioactivity in the environment? 5

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Course: Pollution Control and Management

Programme: PGDEM-04

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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1. Sketch a flow diagram of an activated sludge process. 5
2. Write a short note on air stripping. 5
3. Explain the methods which can be used for management of solid waste. 5

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Course: Pollution Control and Management

Programme: PGDEM-04

Year-1st

Total Marks=15

Important Instructions

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1. Write down advantages and disadvantages of trickling filters. 5
2. Which methods can be used for removing suspended solids from the waste water? 5
3. How can vehicular pollution be minimized? 5

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Course: Energy and Disaster Management

Programme: PGDEM-05

Year-1st

Total Marks=15

Important Instructions

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1. Give brief account of non-renewable energy resources of India. 5
2. Discuss various models of biogas plant and also explain advantages and disadvantages of each. 5
3. What do you by technological hazards? Discuss in detail few technological hazards. 5

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Course: Energy and Disaster Management

Programme: PGDEM-05

Year-1st

Total Marks=15

Important Instructions

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Note: All questions are compulsory. All questions carry equal marks.

1. What do you mean by solar cell? Briefly describe the applications of photo voltaic systems. 5
2. What is energy conservation? Briefly discuss the energy management in India. 5
3. How the earthquakes will happen? Give brief account of earthquakes of magnitude of more than 7 occurred in India. 5

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Course: Environment Awareness and Legislation

Programme: PGDEM-06

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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Note: All questions are compulsory. All questions carry equal marks.

1. Briefly describe the mechanism of ozone formation in stratosphere. Give reasons why there is ozone layer below and above the stratospheric layer. 5
2. Define sustainable development. Discuss ecological principles of sustainability. 5
3. Discuss various constitutional provisions of environmental protection given in our constitution. 5

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Course: Environment Awareness and Legislation

Programme: PGDEM-06

Year-1st

Total Marks=15

Important Instructions

- i. Attempt all three questions from the assignment given below. Each question carries 5 marks.
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1. Write down the key outcomes of Rio Earth Summit. 5
2. Briefly describe the principles of Guru Jambheshwar Ji Maharaj for protection of environment. 5
3. What do you mean by EIA? Discuss various methods of impact identification and assessment in detail. 5