

TDP (General) 5th Semester Exam., 2016

ENVIRONMENTAL SCIENCE

(General)

FIFTH PAPER

Full Marks : 40

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

Answer **four** questions, selecting **two** from each Unit

UNIT—I

1. What is disaster management? Classify the types of disasters. Write down different phases for earthquake disaster management.

2+3+5=10

2. What is tsunami? What are the scales of intensity and magnitude? What are the characteristics of tsunami? Write down the generation mechanism of tsunami.

1+2+2+5=10

3. What is traditional knowledge system? Write down the traditional water harvesting systems of India. $2+8=10$

UNIT—II

4. What is an environmental management plan? What are the components of environmental management plan? Discuss environmental management plan based on resource conservation and pollution abatement. $2+2+3+3=10$
5. What is vermicomposting? Write down the scientific names of two earthworm species utilised in vermicomposting. Discuss briefly the process of vermicomposting. $2+2+6=10$
6. What is environmental impact assessment (EIA)? Briefly discuss about the industry specific assessment of EIA. Mention the impact of joint forest management in society. $2+4+4=10$

TDP (General) 5th Semester Exam., 2017**ENVIRONMENTAL SCIENCE****(General)****FIFTH PAPER****Full Marks : 40****Time : 2 hours**

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for the questions*

Answer four questions, selecting two from each Unit

UNIT—I

1. Discuss the nature and types of disaster.
What causes Tsunami? State few
precautionary measures during natural
disaster. 2+2+3+3=10
2. Discuss few disaster management plans.
Describe the roles and regulatory functions
of NIDM and NDMA in disaster management.
2+4+4=10
3. What is ethnobiology? Write down the
benefits of traditional agroforestry systems
practiced in Himalayan Region of India.
Discuss about how agroforestry systems
works as carbon sinks. 2+4+4=10

UNIT-II

4. Define biodiversity. Discuss different types of biodiversity. Discuss few ecosystem services that biodiversity provide to humanity.

2+4+4=10

5. What do you understand by the term 'biopesticides'? Write down about the types of biopesticides with suitable examples by indicating names of used organisms. Write down the advantages and disadvantages of biopesticides.

2+4+2+2=10

6. What is an environmental audit? What are their levels? List out the necessities of environmental audit. Write down about the difference between environmental audit and environmental planning.

2+2+3+3=10

TDP (General) 5th Semester Exam., 2018

ENVIRONMENTAL SCIENCE

(General)

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Answer four questions, selecting two from each Unit

UNIT—I

1. What are Intellectual Property Rights? Mention few prerequisites for grant of patents. How do industrial design rights differ from trademarks? 3+3+4=10
2. Discuss the salient features of traditional health-care system. What are wild edibles? Distinguish between ethnobiology and ethnoecology. 3+3+4=10
3. What is traditional water harvesting system? Enlist and discuss few traditional water harvesting systems prevalent in India. State their advantages. 2+4+4=10

M9/148a

(Turn Over)

UNIT—II

4. Define Integrated Pest Management (IPM). Discuss the principles of IPM. What do you mean by biofertilizers? Mention few benefits of biofertilizers. $2+3+2+3=10$
5. Explain the concept of sustainable development. Enlist few United Nation's Sustainable Development Goals. Discuss the objectives of Joint Forest Management (JFM). $3+4+3=10$
6. Write short notes on (any two) : $5+5=10$
- (a) Vermicomposting
 - (b) Environmental Impact Assessment
 - (c) Air Pollution Prevention and Control Act
 - (d) Hazards of E-wastes
 - (e) Tsunami

S-5/ENSG/05/20

TDP (General) 5th Semester Exam., 2020
(Held in 2021)

ENVIRONMENTAL SCIENCE

(General)

FIFTH PAPER

Full Marks : 40

Time : 2 hours

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for the questions*

Answer four questions, selecting two from each Unit

UNIT—I

1. Discuss the nature and types of disaster.
What causes tsunami? State a few
precautionary measures including natural
disaster. 2+2+3+3=10

2. What is IPR? Why is it important? Write a
short note on IPR practice in India. Write
down about the enforcing policies of IPR.
2+2+3+3=10

13-21/222a

(Turn Over)

3. Define agroforestry systems. Write down the benefits of traditional agroforestry systems practices in Himalayan region of India. Write four disadvantages of traditional agroforestry practices. Explain Agri-Silvi-Pastoral system prevalent in India. $2+3+2+3=10$

UNIT—II

4. What do you mean by biomedical waste? What are the types of biomedical waste? Why is biomedical waste dangerous? How can we manage solid waste? What is biohazard remediation? $2+2+2+3+1=10$

5. What do you mean by sustainable development? What are the main challenges of sustainable development? Discuss the salient features of environmental management plan. $2+4+4=10$

6. Write short notes on the following : $2 \times 5 = 10$

- (a) EIA
- (b) Traditional knowledge
- (c) Ethnobiology
- (d) JFM
- (e) EPA

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**TDP (General) 5th Semester Exam., 2020
(Held in 2021)**

ENVIRONMENTAL SCIENCE

(General)

FIFTH PAPER

Full Marks : 40

Time : 2 hours

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for the questions*

Answer four questions, selecting two from each Unit

UNIT—I

**1. Discuss the nature and types of disaster.
What causes tsunami? State a few
precautionary measures including natural
disaster.** 2+2+3+3=10

**2. What is IPR? Why is it important? Write a
short note on IPR practice in India. Write
down about the enforcing policies of IPR.** 2+2+3+3=10

3. Define agroforestry systems. Write down the benefits of traditional agroforestry systems practices in Himalayan region of India. Write four disadvantages of traditional agroforestry practices. Explain Agri-Silvi-Pastoral system prevalent in India. $2+3+2+3=10$

UNIT—II

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5. What do you mean by sustainable development? What are the main challenges of sustainable development? Discuss the salient features of environmental management plan. $2+4+4=10$
6. Write short notes on the following : $2 \times 5 = 10$
- (a) EIA
 - (b) Traditional knowledge
 - (c) Ethnobiology
 - (d) JFM
 - (e) EPA

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**TDP (General) 5th Semester Exam., 2021
(Held in 2022)**

ENVIRONMENTAL SCIENCE

(General)

FIFTH PAPER

Full Marks : 40

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

Answer **four** questions, selecting **two** from each Unit

UNIT—I

1. Discuss the causes of earthquake. Describe in brief the roles and regulatory functions of NIDM and NDMA in disaster management.
2+4+4=10
2. Define traditional water harvesting system. Enlist and discuss few traditional water harvesting systems prevalent in India. Why is agroforestry called as 'Social Forestry'? State few advantages of traditional water harvesting system.
2+4+2+2=10

22M/205

(Turn Over)

3. Discuss the salient features of traditional healthcare system. What are wild edibles? Differentiate between ethnobiology and ethnoecology. $3+3+4=10$

UNIT—II

4. Define biodiversity. Discuss different types of biodiversity. Discuss few ecosystem services that biodiversity provides to humanity. $2+4+4=10$

5. What is vermicomposting? Write down the scientific names of two earthworm species utilized in the vermicomposting unit. Discuss briefly the process of vermicomposting. $2+2+6=10$

6. Write short notes on any *two* of the following : $5 \times 2 = 10$

(a) Air Pollution Prevention and Control Act

(b) Hazards of e-waste

(c) Biological Diversity Act of India

(d) Integrated Pest Management

(e) Environmental Management Plan

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TDP (General) 5th Semester Exam., 2019

ENVIRONMENTAL SCIENCE

(General)

FIFTH PAPER

Full Marks : 40

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

Answer four questions, selecting two from each Unit

UNIT—I

- 1.** What are geological disasters? Discuss the vision, objectives and salient features of National Disaster Management Plan.

2+2+2+4=10

- 2.** Define agroforestry system. Mention few requisites for sustainable agroforestry systems. Why is agroforestry also called as 'social forestry'? Name few traditional agroforestry systems prevalent in India. State few benefits of agroforestry.

1+2+2+3+2=10

- 3.** What is Tsunami? How does it occur? What do you understand by early warning system? Where does tsunami warning system developed in India?

2+4+3+1=10

20M/146a

(Turn Over)

UNIT—II

4. Write the purpose of environmental monitoring. What do you mean by environmental audit? Discuss in brief the procedure of environmental audit. $3+2+5=10$
5. What is convention on biological diversity? Discuss in brief the Wildlife Protection Act and Biological Diversity Act of India. $2+4+4=10$
6. Distinguish between biopesticide and biofertilizer. What is vermicomposting? Write scientific name of one vermicomposting earthworm. State the advantages of vermicomposting process. $2+2+1+5=10$
