

FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021

(CCSS)

M.Sc. Environmental Science

ESW 4C 24—NATURAL RESOURCES : CONSERVATION AND MANAGEMENT

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A (Essay Type)*Answer any two questions.**Not to exceed 500 words.**Each question carries 10 marks.*

1. Give a detailed account of nuclear accident and its environmental impact.
2. What are natural resources ? Discuss briefly the degradation of natural resources in India ?
3. Discuss the major problems faced by the biological resources of Kerala.

(2 × 10 = 20 marks)

Part B (Short Essay)*Answer any eight questions.**Not to exceed 250 words.**Each question carries 5 marks.*

4. What are the advantages of rainwater harvesting ?
5. What are the objectives of watershed management ?
6. What are the major issues associated with resettlement and rehabilitation ?
7. What are the causes and effects of acid rain ?
8. Give an account of problems of population growth.
9. Explain Human Right Act, 1993.
10. Explain the role of information technology in environment conservation.
11. Give an account of grasslands and its management.

Turn over

12. Explain the mineral distribution of India.
13. Write notes on natural resources of India.

(8 × 5 = 40 marks)

Part C (Short Answer)

*Answer any ten questions
Each question carries 2 marks.*

14. What is sustainable development ? Explain the concepts of sustainable development.
15. Write a brief note on ozone hole.
16. Expand WMO.
17. Briefly write a note on ecotourism.
18. What is meant by degraded land ?
19. Explain Kyoto Protocol.
20. Give an account on urban energy crisis.
21. What is organic farming ?
22. Explain carbon trading ?
23. Explain climate change reduction.
24. Explain Bhopal gas tragedy.
25. What is Ecotourism ?

(10 × 2 = 20 marks)

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M.Sc. Environmental Science

ESW 4C 23—ENVIRONMENTAL ECONOMICS

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A*Answer any two questions.**Each question carries 10 marks.*

1. Write an essay on renewable and non renewable resources, rate of exploitation and growth curves.
2. Write an essay on CBA and its application
3. Write an essay on economics of natural resources, population growth and its impacts on environment.

(2 × 10 = 20 marks)

Part B*Answer any eight questions.**Each question carries 5 marks.*

4. Explain the relationship between ecology and economy.
5. Explain market and market failure.
6. Explain the material balance model.
7. Explain the public goods and services.
8. Explain the major ecosystem services.
9. Explain the characteristics of environmental goods.
10. Explain the measures of sustainable development.
11. Explain the public and private costs of pollution control.
12. Explain the open access and common property solutions of exhaustible resources.
13. Explain the externalities of economic development.

(8 × 5 = 40 marks)

Turn over

Part C

*Answer any ten questions.
Each question carries 2 marks.*

14. Ecological footprint.
15. Write a note on Simon Kuznets's inverted U shaped curve.
16. Explain world trade and environment.
17. Explain public cost.
18. What are marginal costs ?
19. What are intellectual property rights ?
20. What is marginal external growth ?
21. What is the role of world trade organisation ?
22. Write a note on common property resource concepts.
23. What is EIA ?
24. What is baseline data collection ?
25. Write the relationship between demand and supply.

(10 × 2 = 20 marks)

FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021

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M.Sc. Environmental Science

ESW 4C 20—INDIAN ENVIRONMENTAL LAWS

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A*Answer any two questions.**Each question carries 10 marks.*

1. Write an essay on Genetically modified organisms and their environmental implications.
2. Write an essay on the powers of pollution control boards.
3. Write an essay on air quality standards, air pollution and control measures.

(2 × 10 = 20 marks)

Part B*Answer any eight questions.**Each question carries 5 marks.*

4. Explain environmental ethics.
5. Explain the Indian constitutional status of environment.
6. Explain Forest Conservation Act.
7. Explain the Public Liability Insurance Act 1991.
8. Explain Environmental Protection Act-1986.
9. Explain the CRZ notifications of 1991.
10. Explain the solid waste management rules.
11. Explain Earth summit.
12. Explain Millennium Development Goals.
13. Explain the legal measures to control noise pollution.

(8 × 5 = 40 marks)

Turn over

Part C

*Answer any ten questions.
Each question carries 2 marks.*

14. Basel convention.
15. Kyoto protocol.
16. Biodiversity act.
17. CPCB.
18. EPA.
19. Stem cell research.
20. WWF.
21. Bio-piracy.
22. UNEP.
23. Montreal protocol.
24. Virtue ethics.
25. Earth watch.

(10 × 2 = 20 marks)

FOURTH SEMESTER P.G. DEGREE EXAMINATION, APRIL 2021

(CCSS)

M.Sc. Environmental Science

ESW 4C 19—ENVIRONMENTAL PLANNING POLICIES AND MANAGEMENT

(2019 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

*Answer any two questions.
Each question carries 10 marks.*

1. Write an essay on people's participation and various movements for environmental protection.
2. Write an essay on environmental planning, different steps, identification and formulation of strategies of EPM.
3. Write an essay on different conventions for climate change and biodiversity.

(2 × 10 = 20 marks)

Part B

*Answer any eight questions.
Each question carries 5 marks.*

4. Explain the basic principles of environmental management.
5. Explain environmental auditing.
6. Explain ISO standards.
7. Explain land use planning.
8. Explain environmental planning in mining sites.
9. Explain Rio declaration and agenda 21.
10. Explain GEMS.
11. Explain environmental education and awareness.
12. Explain information networks.
13. Explain the role of NGOs in environmental protection.

(8 × 5 = 40 marks)

Turn over

Part C

*Answer any ten questions.
Each question carries 2 marks.*

14. What is Narmada Bachao Andolan ?
15. What is Kyoto protocol ?
16. What is ecomark ?
17. What is land reclamation ?
18. What is WWF ?
19. What is ENVIS ?
20. What is Chipko movement ?
21. What is UNEP ?
22. Write the major environmental roles of mangroves.
23. What is Ramsar convention ?
24. What is Hague declaration ?
25. What is green peace ?

(10 × 2 = 20 marks)