

PGIIS 1594 B - 15
M.Sc. IIIrd Semester Degree Examination
Environmental Science
(Solid Waste Management)
Paper : HCT 3.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:Answer questions from **ALL** sections.**SECTION - A****I. Write brief note on the following. (10×1=10)**

1. Digestion
2. Recycling
3. Hazardous waste
4. Radioactive substance
5. Pyrolysis
6. Land filling
7. Corrosiveness
8. Pollution
9. Conservation
10. TMRF

SECTION - BWrite short note on any **five** of the following. **(5×3=15)**

11. Collection of Municipal solid waste.
12. Types of radioactive waste
13. Waste generated in India
14. Listing criteria
15. Non-biodegradable waste
16. Recovery act

SECTION - C

Write notes any FIVE of the following.

(5×7=35)

17. Recycling of paper
18. Management of plastic waste
19. Sources and pollution of radioactive wastes.
20. Process of composting
21. Aerobic digestion
22. Classification of solid waste

SECTION - D

Answer any TWO of the following.

(2×10=20)

23. Give an account of hazardous waste
 24. Write an essay on incineration
 25. Discuss the technology options for biomedical waste treatment.
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PGIIS 1595 B-15
M.Sc. IIIrd Semester Degree Examination
Environmental Science
(Environmental Laws, Planning and Policy)
Paper : HCT 3.2

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

Answer questions from all sections.

Section - AAnswer all **ten** questions:**(10×1=10)**

1. Wild life corridors.
2. Hazardous waste.
3. Buffer zone.
4. Municipal waste.
5. CESS Act. 1977.
6. Environmental impact assessment.
7. Climate change.
8. Sustainable development.
9. Carbon credits.
10. Environmental protection.

Section - BAnswer any **five** of the following**(5×3=15)**

11. Cost benefit analysis.
12. Risk analysis.

13. Cost benefit ratio's.
14. Water cess act.
15. CPCB.
16. Biomedical waste.

Section - C

Answer any **five** of the following

(5×7=35)

17. Write note on Wildlife protection Act. 1972.
18. Give an account of environmental (Protection) Act. 1986.
19. Write a note on zoning.
20. Describe cost benefit analysis.
21. Write a note on hazardous waste management rules. 1989.
22. Give an account of amendments of motor vehicle act.

Section - D

Answer any **five** of the following

(2×10=20)

23. Describe the organisational structure for the implementation of environmental policy in India.
 24. Discuss the economics of pollution control with special reference to India.
 25. Describe the Municipal Waste Management rules 2000.
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PGIIS 1596 B - 15
M.Sc. IIIrd Semester Degree Examination
Environmental Science
(Environmental Impact Assessment and Environmental Audit)
Paper : SCT 3.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Section A has all compulsory questions.
2. Answer B,C and D sections as per instructions.

SECTION - A

Answer the following in brief.

(10×2=20)

1. EIA
2. RISK
3. EPA 1986
4. EA benefits
5. Planning
6. Frame work
7. Post Audit
8. Matrices
9. Decision
10. Assessment.

SECTION - BAnswer any **FIVE** of the following**(5×3=15)**

11. Origin and development of EIA
12. Audit activities
13. Prediction of Impact on Noise.

14. Mitigation measures
15. General approach of EA
16. RISK assessment.

SECTION - C

Answer any **FIVE** of the following.

(5×7=35)

17. Discuss the goals of EIA
18. Describe the methods of Impact analysis
19. Give an account on socio economic analysis of project implementation.
20. Explain briefly about EA methods.
21. What are the benefits of environmental Auditing
22. Explain the statutes of Environmental statements.

SECTION - D

Answer any **TWO** of the following.

(2×10=20)

23. Discuss the methods involved in carrying out EIA in water environment.
 24. Differentiate between on-site audit and post audit.
 25. Write the importance of public participation to take up the Environmental decision making.
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PGIIS 1597 B-15
M.Sc. IIIrd Semester Degree Examination
Environmental Science
(Environment and Health)
Paper : OET 3.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

Answer questions from ALL sections.

SECTION - A

1. Attempt any EIGHT of the following. (8×2=16)
- a) Biomonitoring
 - b) LD₅₀
 - c) Bronchitis
 - d) Carbon monoxide
 - e) Pesticide residue
 - f) Risk assessment
 - g) Sickness Absenteeism
 - h) Smog
 - i) Metal pollution
 - j) Sickness.

SECTION - BAnswer any FOUR of the following. (4×16=64)

2. Write account on environmental risks and disease burden in India.
3. Give an account of indoor and outdoor environmental health problems.
4. Discuss the occupational hazards of agriculture workers.

5. Give an account of risk assessment method and risk monitoring.
 6. Write an account on accidents in industry.
 7. Discuss the various environmental factor affecting the health and health indicator.
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