

**PGIIS 1616 B-2K13**  
**M.Sc. IIIrd Semester Degree Examination**  
**Environmental Sciences**  
**(Solid Waste Management)**  
**Paper - HCT - 3.1**

Time :3 Hours

Maximum Marks : 80

**Instructions :**

Answer questions from all sections.

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

1. Solid Waste
2. Non-bio degradable waste
3. Aerobic treatment.
4. Composting
5. Waste Leachate
6. Pyrolysis
7. Greenhouse Gases from Waste Treatment
8. Types of Radioactive waste
9. Benefits of anaerobic treatment.
10. Cradle to Grave concept.

**Section - B**Answer any **five** of the following.**(5×3=15)**

11. Half life period.
12. Using diagrams, explain Typical Material Recovery facility.
13. Anaerobic reactor
14. Importance of Segregation of Waste at Generation Point.
15. Write a note on Decomposable Plastics
16. Elaborate on 'Waste to Wealth'.

**Section - C**Answer any **five** of the following .**(5×7=35)**

17. Describe Typical Urban Municipal Solid Waste.
18. Give an account of Bio medical Waste handling Rules.

19. Role and responsibilities of State Pollution Control Board with reference to Hazardous Waste Management.
20. Give an account on recycling of rubber.
21. Describe the implications of plastic waste on Ecosystem.
22. Fuel Pellets from Waste.

#### Section - D

Answer any **two** of the following.

(2×10=20)

23. Describe in detail the Sanitary waste Disposal Method.
  24. Describe the disposal measures of Bio medical Wastes.
  25. Describe in detail the implications of plastic waste on Ecosystem.
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**PGIIS 1617 B-2K13**  
**M.Sc. IIIrd Semester Degree Examination**  
**Environmental Sciences**  
**(Environmental Laws, Planning and Policy)**  
**Paper - HCT - 3.2**

Time :3 Hours

Maximum Marks : 80

**Instructions :**

Answer questions from all sections.

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

1. Environmental ethics
2. Stockholm conference 1972
3. Article 48A
4. The National Environment Tribunal Act, 1995("NETA")
5. Zoning
6. Cost Benefit Ratio
7. United Nations Conference on the Human Environment
8. Environmental Clearance
9. C.R.Z.
10. Strict liability.

**Section - B**Answer any **five** of the following.**(5×3=15)**

11. The motor Vehicle Act 1988.
12. Eco-mark
13. National committee on Environmental planning (NCEP)
14. Wild life protection act 1972.
15. Bhopal Gas tragedy.
16. Narmada Valley project.

**Section - C**Answer any **five** of the following.**(5×7=35)**

17. Write a note on Agenda 21
18. Write a note on reliability and risk analysis.

19. Write a note on sustainable development.
20. Write an account of environmental (protection) Act 1986.
21. Write a note on water prevention and control of pollution act 1974.
22. What are the primary objectives of stockholm conference?

**Section - D**

Answer any **two** of the following.

**(2×10=20)**

23. Write on Environmental Laws in India.
  24. Write a note on forest Conservation act 1980.
  25. What are the functions of central pollution control boards.
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**PGIIS 1618 B-2K13****M.Sc IIIrd Semester Degree Examination****Environmental Science****(Environmental Impact Assessment and Environ. Audit)****Paper SCT -3.1**

Time : 3 Hours

Maximum Marks :80

**Instruction .**

Answer question from all section

**Section - A**

Answer all ten question

**(10x1=10)**

- 1) EIS
- 2) Models
- 3) Assessment
- 4) ERA
- 5) Mitigation
- 6) On site audit
- 7) Checklist
- 8) Mining
- 9) Index method
- 10) Project site

**Section - B**

Answer any five of the following

**(5x3=15)**

11. Write short note on statutory environmental statements
12. Explain the goals of environmental audit

13. Explain the frame work of EIA.
14. Environmental protection Act 1986
15. Write a short note on the need for carrying out EIA
16. What are the disadvantages of environmental audit?

### **Section - C**

Answer any **five** of the following

**(5x7=35)**

17. Explain the principles of EIA
18. Write a note on Leopold matrix method
19. Describe the different procedures involved in carrying out EIA
20. Give an account of preparation of environmental impact statement
21. Write a note on socio - economic analysis of project impacts
22. Write a note on EIA report

### **Section - D**

Answer any **two** of the following

**(2x10=20)**

23. Describe the general approach and various methods for environmental audit.
  24. Describe the requirements of rule 14 for environmental audit under environmental protection act 1986
  25. Explain the methods involved in carrying out EIA in Biological environment.
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**PGIIS 1619 B-2K13**  
**M.Sc. IIIrd Semester (CBCS) Degree Examination**  
**Environmental Sciences**  
**(Environment and Health)**  
**Paper - OET - 3.1**

Time :3 Hours

Maximum Marks : 80

1. Attempt any **eight** of the following: (8×2=16)
- a) Toxic hazard
  - b) Bio-monitoring
  - c)  $LC_{50}$
  - d) Radon pollution
  - e) Vulnerable groups
  - f) Occupational hazard
  - g) Disease burden
  - h) Somatic disease
  - i) Industrial smog
  - j) Physical hazard
- Answer any **four** of the following: (4×16=64)
2. Write an essay on risk assessment in public health. Add a note on risk communication.
  3. Give an account of health effects of air pollution.
  4. Briefly discuss:
    - i) Respiratory diseases
    - ii) Accidents in industries.
  5. Discuss the health problems due to specific pollutants in indoor and outdoor environment
  6. Write an essay on environmental impact studies.
  7. Explain the environmental factors that potentially affect health environment. Add a note on health indicators.