

Roll No. \_\_\_\_\_

[Total No. of Pages : 2

**PGIIS 1617 B-14**  
**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**

Answer all the questions

**(10x1=10)**

- 1) Composting
- 2) Incineration
- 3) Hazardous waste
- 4) Radioactive waste
- 5) Leachate
- 6) Non-biodegradable waste
- 7) Agro-waste
- 8) Toxicity
- 9) Open dumping
- 10) Recovery

### Section-B

Answer any five of the following

(5x3=15)

11. Collection method of solid wastes
12. Waste minimization program
13. Waste generated per capita
14. Composition of biomedical waste
15. Biodegradable waste
16. Transport system of solid waste

### Section-C

Answer any five of the following

(5x7=35)

17. Recycling of rubber
18. Plastic waste status in India
19. Global scenario of solid waste
20. Listing criteria of hazardous waste
21. Pyrolysis
22. Reuse and recycling of glass

### Section-D

Answer any two of the following

(2x10=20)

23. Give an account of characteristics and classification of solid wastes
24. Write an essay on composting. Add a note on its advantages
25. Discuss the effects of plastic wastes on environment. Explain briefly the management of plastic waste.

**PGIIS 1619 B-14**  
**M.Sc. IIIrd Semester Degree Examination**  
**Environmental Science**  
**(Environmental Impact Assessment & 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****I** Answer the following in brief**(10x2=20)**

1. Audit
2. EIS
3. Checklist
4. Planning
5. Impact
6. Site
7. Network
8. ERA
9. Mitigation
10. Landfill

## Section-B

Answer any **five** of the following

(5×3=15)

11. Era unit in industry
12. Post audit
13. Implementation of environmental auditing
14. Site suitability
15. Program planning
16. Impact assessment methodologies

## Section-C

Answer any Five of the following

(5×7=35)

17. Briefly explain the goals of EIA
18. Write a short note of EIA process
19. Explain Socio economic analysis of project implementation
20. Give an account on mitigation action plan
21. Explain the benefits of environmental auditing
22. Explain the various methods of impact analysis

## Section-D

Answer any two of the following

(2×10=20)

23. Explain the methods involved in carrying out EIA in air environment
24. Describe on site audit & add a note on requirements rule-14 of environmental auditing under EPA-1986
25. Discuss the role of public participation in environmental decision making

PGIII S 1618 B-14  
M.Sc. III 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 - A****Answer all TEN questions:****(10 × 1 = 10)**

1. Planning
2. Stockholm conference, 1972
3. Article 48A
4. The National Environment Tribunal Act, 1995 ("NETA")
5. Zoning
6. Cost Benefit Ratio
7. UNEP 1982
8. Environmental Clearance
9. National policy
10. Strict liability

**SECTION - B****Answer any FIVE of the following:****(5 × 3 = 15)**

11. List the items coming under biomedical waste.
12. Reliability Analysis
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. Give an account on Motor Vehicle Act.
18. Explain Economics on pollution controle
19. Write note on sustainable development
20. Write an account on 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. Describe the importance of environmental laws in India.
24. Discuss on Forest Conservation act 1980
25. Explain the importance of planning with influence to Environmental pollution.

**PGIIS 1620 B-14**  
**M.Sc. IIIrd Semester (CBCS) 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) Toxic hazard
  - b) Pneumoconiosis
  - c)  $LC_{50}$
  - d) Radon pollution
  - e) Vulnerable groups
  - f) Occupational hazard
  - g) Disease burden
  - h) Somatic disease
  - i) Industrial smog
  - j) Physical hazard

**SECTION - B**

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: (a) Respiratory diseases (b) 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.
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