

M.Sc. (Part-II) (Environmental Science) (NEP Pattern) - Semester-III
PMENVT13.1 - Solid and Hazardous Waste Management Paper-I

P. Pages : 1

Time : Two Hours



GUG/W/24/15984

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

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| 1. | Explain classification of solid waste. | 16 |
| OR | | |
| | a) Discuss characteristics of solid waste. | 8 |
| | b) Explain the types of collection of solid waste. | 8 |
| 2. | Discuss operational procedure for sanitary landfills. | 16 |
| OR | | |
| | a) Briefly explain gasification and pyrolysis of solid waste. | 8 |
| | b) Which problems occurs in municipal solid waste landfilling. | 8 |
| 3. | Discuss collection and transportation method of hazardous waste. | 16 |
| OR | | |
| | a) Explain basic division of toxicity. | 8 |
| | b) Discuss types of hazardous waste. | 8 |
| 4. | Discuss component of hazardous waste management plan. | 16 |
| OR | | |
| | a) Explain elements of solid waste minimization program. | 8 |
| | b) Describe disposal method of leachates. | 8 |
| 5. | a) Give the types of solid waste. | 4 |
| | b) How to separate municipal solid waste component manually? Explain. | 4 |
| | c) Explain bioaccumulation? | 4 |
| | d) Explain function of secured landfilling. | 4 |
