

SE SEM-IV ELEC NEP 2020 May 12026

Date: 19/05/2026.

(2 Hours)

Total Marks: 60

N.B.

1. Question No. 1 is Compulsory.
- 2 Attempt any **Three** Questions from remaining **Five** Questions
3. Assume Suitable Data if needed and Justify the Same
4. Figures to the right indicate full marks.

- Q.1** Solve any three. [15]
- a) Discuss the impact of solid waste on the environment.
 - b) Write short note on sources of municipal solid waste.
 - c) Define Composting and explain factors affecting composting process.
 - d) Explain classification of Biomedical waste.
 - e) Discuss the dangers of E-waste.
- Q.2**
- a) Explain in detail Solid waste management techniques [8]
 - b) Explain source segregation and its importance in waste management. [7]
- Q.3**
- a) Explain in detail methods of composting [8]
 - b) Discuss various control measures adopted for industrial waste management. [7]
- Q.4**
- a) Explain the present scenario of solid waste management in India. [8]
 - b) Explain collection, segregation, transportation, treatment, and disposal of solid waste. [7]
- Q.5**
- a) Discuss the Biomedical Waste Management Rules, 2016 in detail. [8]
 - b) Explain the process, advantages, and limitations of vermicomposting. [7]
- Q.6** Write short note (any three) [15]
- a) Pyrolysis
 - b) Hazardous Waste
 - c) Sanitary Landfill
 - d) E-Waste Rules, 2016
 - e) Transfer station meaning, necessity and location