

B.Sc.- I (NEP) Semester-I
SEC08 / SEC1 - Electronics - E-Waste Management

P. Pages : 2

Time : Two Hours



GUG/S/25/15904

Max. Marks : 40

-
- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and well-labelled diagrams wherever necessary.

1. a) Describe the Indian scenario of E-waste. 4
- b) Explain the effect of the growth of the electrical and electronics industry in respect of E-waste in India. 4

OR

- c) Discuss the various components of E-waste. 4
- d) Explain the effect of E-waste on the environment. 4
2. a) Explain the Guidelines for the electrical and electronic equipment manufactures for E-waste management. 4
- b) State the hazardous waste rules for decomposition. 4

OR

- c) Explain the responsibility of the consumer in E-waste management. 4
- d) State the E-Waste management rule in India. 4
3. a) Explain the burning method of E-waste disposal. 4
- b) State the advantages of recycling technology. 4

OR

- c) Explain the landfill E-waste disposal method. 4
- d) Explain the optimal planning for computer waste. 4
4. a) Explain the emerging recycling technology for E-waste. 4
- b) Discuss the guidelines for environmentally sound management of e-waste. 4

OR

- c) Explain the first level of Environmentally sound E-waste treatment technologies. 4
- d) Explain the collection system of E-waste. 4

5. Attempt **any eight** of the following.

1x8
=8

- a) Define E-waste.
- b) State the disadvantages of E-waste.
- c) What is the hazardous substance in E-waste?
- d) What is the necessity of making the rule for e-waste?
- e) What does RoHS stand for?
- f) What is regulatory compliance for e-waste management?
- g) What is the landfill method?
- h) Differentiate between landfill and dumping methods?
- i) What is crushing?
- j) State the advantages of recycling of E-waste.
- k) What is integrated e-waste recycling?
- l) How to protect the environment from e-waste.
