

CBCS SCHEME

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21EC755

Seventh Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 E-Waste Management

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain essentials of cohesive e-waste management thinking in India. (10 Marks)
b. Describe life cycle of an e-product. (10 Marks)

OR

- 2 a. Illustrate e-waste flow and recycling scenarios in India. (10 Marks)
b. Explain e-waste generation, collection, recycling process. (10 Marks)

Module-2

- 3 a. Mention goals, implementation and challenges for e-waste management. (10 Marks)
b. Explain the experiences of EPR and take back campaign by Nokia in 2009 and 2012. (10 Marks)

OR

- 4 a. Explain considerations for successful implementation of EPR. (10 Marks)
b. Describe challenges in implementation of EPR for e-waste management. (10 Marks)

Module-3

- 5 a. With a neat diagram, explain linear economy model versus circular economy model. (10 Marks)
b. Illustrate recycling and resource efficiency related challenges to the circular economy. (10 Marks)

OR

- 6 a. Explain e-waste management rules 2016 and e-waste amendment rules 2018. (10 Marks)
b. Describe analysis performance of EPR and CPCB regulatory mechanisms. (10 Marks)

Module-4

- 7 a. Describe policy issues for e-waste management before 2010. (10 Marks)
b. Explain awareness related efforts on e-waste. (10 Marks)

OR

- 8 a. Mention gap analysis in e-waste management representing multi-stakeholder views. (10 Marks)
b. Explain Pan-Indian initiatives for dealing with e-waste during 2000 and 2020. (10 Marks)

Module-5

- 9 a. Describe four domains of the e-waste management. (10 Marks)
b. Explain environment concerns indicating potentials for safe environment and human health. (10 Marks)

OR

- 10 a. Describe recycling culture with respect to e-waste. (10 Marks)
b. Explain economic concerns opportunities. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.