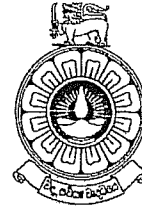


THE OPEN UNIVERSITY OF SRI LANKA
Department of Civil Engineering



M. Sc. in Environmental Science - Level 8

NEP2221 – Waste Management and Resource Recovery

Continuous Assessment Test # 2 - 2016/2017

Time Allowed: Ninety minutes

Reg. No.

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Date: 24th September, 2017

Time: 1100 - 1230

Answer all the questions in the given space.

1. Landfills are used as the final disposal option of solid waste management.

(i) List five factors pertinent to the selection of landfill site.

(ii) Explain the purpose of the daily cover in a sanitary landfill and state the minimum desirable depth of daily cover.

(iii) Define leachate and explain how it occurs.

- (iv) How landfills contribute to global warming. Explain briefly.
2. List 3 common characteristics of hazardous waste
3. What technologies can be used to pollution prevention from hazardous waste? List 3 and describe one technology in brief.
4. Brief the steps in hazardous waste management

5. What are the problems associated with E-waste to the human and environment? Explain briefly.

6. Why the e-waste has become a global issue? Explain briefly.

7. (i) What are the upstream strategies practice in managing E-Waste. List them.

(ii) Describe two downstream strategies that can be applied to manage the e-waste?

8. (i) Briefly describe the regulatory frame work to manage E- waste in Sri Lanka?

(ii) What are the challenges on managing E-waste in Sri Lanka?

9. Mention three Multilateral Environmental Agreements (Conventions) available on E-waste management and write short description on one of those.

10. List four environmental factors to be considered in the Life Cycle Assessment.

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