

Week 1

**Multiple choice questions with one correct answer**

1. What is the order of waste management hierarchy, from most to least favoured
  - a. Prevention- Recycle-Reuse- Disposal
  - b. Prevention-Reuse-Disposal-Recycle
  - c. Prevention-Disposal -Reuse-Recycle
  - d. Prevention-Reuse-Recycle-Disposal**
2. What is a Geo-net?
  - a. A synthetic material used for drainage of liquids**
  - b. A synthetic material used for drainage of Gases
  - c. A ceramic material used for drainage of liquids
  - d. A fibrous material used for drainage of liquids
3. In a leachate collection system, what is the slope of linear?
  - a. 2-5%
  - b. 2-8%**
  - c. 2-9%
  - d. 2-10%
4. How do you remove leachate from the landfill?
  - a. By Gravity
  - b. By pumping from low points
  - c. Both (a) and (b)**
  - d. None of the above
5. In a double liner system, what is the depth and coefficient of permeability for compacted soil?
  - a. 2ft and  $K \leq 10^{-6}$  cm/sec
  - b. 3ft and  $K \leq 10^{-7}$  cm/sec**
  - c. 2ft and  $K \leq 10^{-7}$  cm/sec
  - d. 3ft and  $K \leq 10^{-6}$  cm/sec
6. What are the methods in which energy can be recovered from Waste to energy
  - (1) Heat      (2) Electricity (3) Co-generation
  - a. By (1) and (2)
  - b. By (2) and (3)
  - c. By (1), (2) and (3)**
  - d. None of the above
7. Which of the following statement regarding recycling is wrong?
  - a. Saves precious resources
  - b. Require stable market
  - c. Improves efficiency of treatment processes
  - d. Increases the needs for mining virgin materials**
8. What is the most expensive component of solid waste handling?
  - a. Collection**
  - b. Storage
  - c. Treatment
  - d. Separation
9. What is the process flow in a integrated solid waste management system?

- a. Generation-Source separation- facility separation-collection- Transfer and transport-Landfill
- b. Generation-Source separation-collection- Transfer and transport -facility separation-Landfill
- c. Generation-Source separation-collection-facility separation-Transfer and transport-Landfill**
- d. Generation-Source separation-collection- Landfill -facility separation- Transfer and transport

#### Multiple choice questions with more than one correct answer

10. What are the special facilities to separate recyclables into various streams?
- a. Shredding**
  - b. Compaction**
  - c. Screens**
  - d. Mechanical separators**
11. What are the advantages of Waste to energy?
- a. It is economical
  - b. Reduce volume of waste**
  - c. Recover useful energy**
  - d. High degree of sophistication is required

#### True of False Questions

12. Landfills are de-facto choice for waste management and they cause lots of problem for the environment
- a. True**
  - b. False
13. There is a high demand for compost in a market
- a. True
  - b. False**
14. Understanding of social and legal aspects is not necessary in Solid waste management
- a. True
  - b. False**
15. Waste is a material that has further value to his owner and is not thrown away
- a. True
  - b. False**