

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E/Civil	Year / Semester :IV/VII	Format No.	NAC/TLP-07a.13
Subject Code :EN8591	Subject Name : Municipal Solid Waste Management	Rev. No.	02
Unit No : II	Unit Name : Source Reduction , Waste Storage And Recycling	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)	BTL
Unit-II / Source Reduction , Waste Storage And Recycling		
Waste Management Hierarchy - Reduction, Reuse and Recycling - source reduction of waste – On-site storage methods – Effect of storage, materials used for containers – segregation of solid wastes – Public health and economic aspects of open storage – case studies under Indian conditions – Recycling of Plastics and Construction/Demolition wastes.		
1.	Which of the following statement regarding recycling is wrong? a) Increases the needs for mining virgin materials b) Require stable market c) Saves precious resources d) Improves efficiency of treatment processes	L1
2.	All the processes related to consumption and production produces some kind of waste a) The waste from one process becomes the input for another process b) All of the above c) All the processes related to consumption and production produce some kind of waste d) There is no real waste in nature	L1
3.	Which of the following is true? a) there is no real waste in nature b) the apparent waste from one process becomes input to another c) all of the above d) all processes of production and consumption produce waste	L1
4.	The average composition of Municipal solid waste is: a) 41% organic, 40% inert & 19% recyclable b) 20% organic, 60% inert & 20% recyclable c) 30% organic, 20% inert & 50% recyclable d) 19% organic, 41% inert & 40% recyclable	L1
5.	Municipal Solid Waste (MSW) contains a wide variety of materials. a) True b) False	L1
6.	Which of the integrated waste management is reduced on an individual level? a) Source reduction b) Recycling c) Disposal d) Burning	L1
7.	Which of the following can be recycled many times? a) Plastic b) Wood c) Organic materials d) Aluminum	L1
8.	Why the recycled paper is banned for use in food containers? a) Because it creates contamination b) Because it creates a lot of spaces	L2

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	c) Because paper can be used only one time d) Because paper is very thick and can't cover the food containers	
9.	The most serious environmental effect posed by hazardous wastes is (a) Air pollution (b) Contamination of groundwater (c) Increased use of land for landfills. (d) None of these	L1
10.	Problem of solid waste disposal can be reduced through..... (a) Recycling (b) Lesser pollution (c) More timber (d) Population control	L3
11.	Making new containers from crushed glass helps to..... (a) Save materials (b) Save fuel (c) Both of these (d) None of these	L2
12.	Waste reduction can be achieved by technology. a) False b) True.	L1
13.	Which of the following can be considered as source reduction? a) Material substitution b) Treating offsite c) Analysis d) Landfill disposal	L1
14.	TSD (Treatment, Storage, and Disposal) can accumulate waste for ____ days. a) 70 b) 80 c) 90 d) 100	L3
15.	. _____ approach should be considered to reduce the impact of waste on environment. a) LCA- life cycle analysis b) NPL c) RCRA d) CERCLA	L1
16.	Municipal waste guidelines provide mainly criteria for location, site selection. a) True b) False	L1
17.	Which of the following can be considered as source reduction? a) Material substitution b) Treating offsite c) Analysis	L1

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	d) Landfill disposal	
18.	. _____ concept by RCRA is an attempt to reduce density of waste generated. a) NPL b) CERCLA c) Cradle to grave d) Carcinogen	L1
19.	TSD (Treatment, Storage, and Disposal) can accumulate waste for ____ days. a) 70 b) 80 c) 90 d) 100	L1
20.	_____ approach should be considered to reduce the impact of waste on environment. a) LCA- life cycle analysis b) NPL c) RCRA d) CERCLA	L1
21.	What should be the distance between the storage sheds in storage unit? a) 10 b) 15 c) 20 d) 25	L2
22.	Removing all wastes from the waste management unit and decontaminate or remove all equipment is known as _____ closure. a) Partial b) Full c) Clean d) Decontaminate.	L1
23.	EPA ID is required for very small quantity generators. a) True b) False	L1
24.	Accumulation time limit for SQG is less than or equal to _____ days. a) 170 b) 180 c) 190 d) 160	L2
25.	On-Site Accumulation Quantity of small scale generators is less than _____ kg. a) 2000 b) 4000 c) 6000 d) 8000	L2
26.	A generator must keep a copy of each manifest signed for a period of _____ years. a) 1	L2

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	b) 2 c) 3 d) 4	
27.	A waste generator must certify _____ techniques adopted. a) Waste minimisation b) Manifest c) Analysis d) NPL	L2
28.	To determine characteristics of waste, laboratory analysis is required. a) True b) False	L1
29.	Who is responsible for safe disposal of the generated waste? a) Generator b) Receiver c) Waste facility d) TSDF	L2
30.	You can recycle meat, bones and dairy scraps in your yard waste cart and in a school composting bin. a) True b) False	L1
31.	It's better for the environment to use a durable, washable, refillable water bottle than it is to buy water bottles, drink the water and recycle the empty plastic bottle. a) True b) False	L1
32.	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	L1
33.	Expand RCRA a. Resource conservation and Recycling Act b. Recovery conservation and Resource Act c. Resource conservation and Reduction Act d. Resource conservation and Recovery Act	L1
34.	What are the units of density a. g/cm³ b. lb/ft³ c. m/kg ³ d. lb/yd³	L1
35.	The components for conceptual Waste Composition for Biodegradability Characterization are: BVS + RVS + Inorganic + Ash + water a. True	L1

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	b. False	
36.	<p>In terms of the hierarchy, what is the order of the three Rs?</p> <p>a) Reduce, reuse, recycle b) Reuse, reduce, recycle c) Reuse, recycle, reduce d) Recycle, reduce, reuse</p>	L4
37.	<p>Renee has started to compost her food scraps and leaves/yard trimmings. When it all breaks down into soil, she'll use that for her garden. This is an example of which?</p> <p>a) Reduce b) Recycle c) Reuse d) Source reduction</p>	L3
38.	<p>Instead of throwing out old clothes and towels, Julia cuts the items up and uses them as cleaning rags. This is an example of which of the following waste management strategies?</p> <p>a) Reuse b) Recycle c) Remake d) Reduce</p>	L3
39.	<p>Municipal solid waste refers to any non-liquid waste that is created by an individual person, household, small business, or institution, such as a school or hospital.</p> <p>a) True b) False</p>	L3
40.	<p>Municipal solid waste type of waste is commonly called trash or garbage and includes everyday items, things that are broken, food that has spoiled, or simply any item a person no longer needs or wants such as paper, yard trimmings, food, plastics, metals, rubbers, and textiles.</p>	L3
41.	<p>Source separation with proper recycling facilities will improve overall calorific value of waste which reaches waste to energy plant.</p> <p>a) True b) False</p>	L1