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Roll No.

220756B

5th Sem.
Branch : Civil
Subject : Solid Waste Management

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 Which of the following/s is a bio-degradable waste? (CO1)
a) Food waste b) Garden Waste
c) Paper Waste d) All of these
- Q.2 The process of decomposing bio-degradable waste is called _____. (CO3)
a) Incineration b) Composting
c) Pulverisation d) Pyrolysis
- Q.3 Cardboard and cartons waste is disposed of in ____ (CO2)
a) Green Bin b) Blue Bin
c) Black Bin d) None of these
- Q.4 Non-Ferrous metals can be separated by _____. (CO2)
a) Screening
b) Magnetic Separation
c) Eddy current Separation
d) Ballistic Separation

- Q.5 Which of the following is not a waste treatment method for biomedical waste? (CO5)
a) Incineration b) Chemical Disinfecting
c) Autoclaving d) Sieving
- Q.6 The major source of e-waste for the constituent Lead is _____. (CO5)
a) Mother-Board b) Computer housing
c) Chip resistors d) Solder in PCBs

Section-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define Solid Waste. (CO1)
- Q.8 According to the Solid waste management rules, a _____ is a person who collects recyclable waste from streets, dumping grounds, and parks for a living. (CO2)
- Q.9 Name at least four hazardous solid wastes. (CO1)
- Q.10 _____ is a contaminated liquid that seeps through solid waste disposal sites and accumulates contaminants. (CO4)
- Q.11 Define pyrolysis. (CO4)
- Q.12 Define e-waste. (CO5)

Section-C

Note: Short answer type Question. Attempt any eight questions out of Ten Questions. (8x4=32)

- Q.13 Name the different types of Solid waste and explain any two with examples. (CO1)

- Q.14 Describe any four physical properties of Municipal Solid waste. (CO1)
- Q.15 What is the necessity of the transfer station concerning the transportation of Municipal Solid waste? (CO2)
- Q.16 What is the principle of the composting process?(CO3)
- Q.17 What is the Vermi-Composting? (CO3)
- Q.18 What factors should be considered for site selection for a landfill? (CO4)
- Q.19 Describe the various types of incinerators. (CO4)
- Q.20 What are the various sources of bio-medical waste? (CO5)
- Q.21 Describe the classification of the bio-medical waste. (CO5)
- Q.22 What are the ill effects of the e-waste? (CO5)

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x8=16)

- Q.23 List the tools and equipment used to store and collect the Municipal Solid waste. (CO2)
- Q.24 Differentiate between the Bangalore Method and the Indore method of composting. (CO3)
- Q25 What is a solid waste management hierarchy? Also, explain various waste prevention and waste reduction techniques. (CO4)