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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)

Q.25 What is a solid waste management hierarchy? Also, explain various waste prevention and waste reduction techniques. (CO4)