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BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VIII CIVIL : WINTER- 2022
SUBJECT : SOLID WASTE MANAGEMENT

Day : Tuesday

Date : 29-11-2022

W-13643-2022

Time : 02:30 PM-05:30 PM

Max. Marks : 60

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N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 What is the nature of MSW? Classify and explain the solid waste based on sources. (10)

OR

Q.1 What is the interrelationship of the functional elements in a solid waste management system? Explain. (10)

Q.2 What are the different collection systems based on mode of operation? Explain. (10)

OR

Q.2 Explain various storage provisions for different types of waste. (10)

Q.3 Explain transportation of bio medical waste and construction waste. (10)

OR

Q.3 What is the need for transfer operation? Also explain the functions of transfer stations. (10)

Q.4 What are the various stages at which sorting can take place in the waste stream? (10)

OR

Q.4 What are the major recoverable materials present in the MSW? Explain present scenario. (10)

Q.5 What are the environmental impacts of a landfill site? Suggest measures to minimize these impacts. (10)

OR

Q.5 How does composting work? What are the factors affecting composting process? Explain. (10)

Q.6 Explain the process of pyrolysis. What are its benefits? (10)

OR

Q.6 Write a note on: Refuse Derived Fuel and Hydro pulping. (10)

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