

16P317

(Pages: 2)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, OCTOBER 2017

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15PES3 C14 -WASTE AND WASTE MANAGEMENT

(Environmental Science)

(2015 Admission Onwards)

Time : Three Hours

Maximum : 36 Weightage

I. Answer *all* questions. Each question carries 1 weightage:

1. Distinguish between grey water and green water.
2. What is sewage sludge?
3. What is incineration?
4. What you mean by Recycling of waste.
5. Comment on the generation rate of solid waste in India.
6. What is Rubbish?
7. What is Specific weight of municipal solid waste?
8. Ultimate analysis of municipal solid waste.
9. What is a sanitary landfill?
10. Explain Composting
11. Identify the 3Rs used in waste management
12. What is a Bioreactor?
13. What is single cell protein?
14. Define Vermicomposting.

(14 x 1 = 14 weightage)

II. Answer *any seven* questions. Each question carries 2 weightage:

15. What are the sources and characteristics of solid waste?
16. Discuss the mining waste and its environmental Impact.
17. Write note on various waste management approaches
18. Enumerate the solid waste processing techniques.
19. Comment on different types of Landfills
20. Discuss the sources and characteristics of hazardous waste
21. Give an account of the various management options of nuclear waste.

22. Aerobic waste water treatment.
23. Describe Methanogenesis
24. Narrate the advantages and phases of vermicomposting

(7 x 2 = 14 weightage)

III. Write *an essay on any two* of the following. Each question carries **4** weightage:

25. Write an essay on different solid waste treatment methods
26. Briefly discuss the Biomedical waste management
27. Briefly describe the treatment schemes for dairy and distillery industrial waste water
28. Narrate two success case studies of waste management in India

(2 x 4 = 8 weightage)
