



QP CODE: 25021657



25021657

Reg No :

Name :

B.VOC DEGREE REGULAR/REAPPEARANCE EXAMINATIONS, MARCH 2025

Sixth Semester

B.Voc Sustainable Agriculture

STAG6G2T - AGRICULTURAL WASTE MANAGEMENT

2018 Admission Onwards

F34F0E91

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Write a short note on aflatoxins.
2. Define the term composting.
3. What are thermophilic microorganisms? Give some examples.
4. What are the advantages of aerated static pile composting?
5. Write a short note on Bangalore method of composting.
6. Write a short note on NADEP compost?
7. What are the merits of anerobic composting?
8. What are the benefits of coirpith compost?
9. What is meant by outdoor vermicomposting?
10. What is syn gas?
11. What are the drawbacks of biogas?
12. What is meant by solid state fermentation?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What is meant by waste management? Write a note on the benefits of waste management.





14. Write a note on utilization of agricultural waste.
15. Explain with diagram the procedure for sheet composting.
16. Explain the procedure of biodynamic composting.
17. What are the merits and demerits of in vessel composting?
18. Explain the different methods of trench composting.
19. Explain the uses of vermiwash in agricultural production.
20. Define pyrolysis. What are the merits and demerits of pyrolysis?
21. Define enriched manures. Explain the advantages of enriched manures.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write an essay on aerated (turned) windrow composting. What are its advantages and disadvantages?
23. Explain the procedure for the preparation of EM solution. What are the benefits of using effective microorganisms?
24. Write an essay on vermicomposting. What is the procedure for mass multiplication of earthworms?
25. Write an essay on floating drum biogas plants. Write a note KVIC model biogas plants.

(2×15=30)

