



KERALA AGRICULTURAL UNIVERSITY
B.Tech. (Food Engg.) 2019 Admission
VI Semester Final Examination – June 2022

Fdsc.3206

Food Industry Waste Management (2+0)

Marks: 50
Time: 2 hours

- I Fill in the blanks (10x1=10)**
1. Sugarcane _____ is a good source for composting
 2. Strong acid is used to _____ digestibility of cellulose by enzymes.
 3. Pine apple residue is utilized for production of _____ acid.
 4. Briquetting screw has feed section, compression section and _____.
 5. In poultry waste, keratin is present in _____.
- State True or False**
6. Rice husk contains less than 30 % of organic matter.
 7. Particle boards can be used in false ceiling.
 8. Mango kernel is used for making briquettes.
 9. Silver loaded activated carbons are used in domestic water purification.
 10. Lipase in rice bran is deactivated by enzymes.
- II Write short notes on ANY FIVE of the following (5x2=10)**
1. Write a note on biomass feed stock.
 2. Define briquetting.
 3. Explain briefly about COD.
 4. Define Pyrolysis.
 5. Write a note on wheat bran utilization.
 6. Explain the term particle board.
 7. Write a note on activated carbon from rice husk.
- III Answer ANY FIVE of the following (5x4=20)**
1. Write a note on uses of rice husk ash.
 2. Write about waste management in sugar mill.
 3. Discuss bio gas production from waste.
 4. Discuss on utilization of poultry industry waste.
 5. Explain various uses of by-product from wheat milling industry.
 6. Write a note on citric acid production by solid state fermentation.
 7. Discuss Virgin coconut oil processing.
- IV Write an essay on ANY ONE of the following (1x10=10)**
1. Discuss different sources of waste from fish industry.
 2. Explain utilization of waste from rice milling industry.
