



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engg.) 2018 Admission
VI semester Final Examination-October 2021

Fdsc.3206

Food Industry Waste Management (2+0)

Marks: 50
Time: 2 hours
(10x1=10)

I Fill in the blanks

1. Winterization is the process of removal _____.
2. _____ is the waste from sugarcane used for electricity generation.
3. Central institute of fisheries technology is located at _____.
4. Meat product order was set up in the year _____.
5. Expand RHA _____.
6. The percentage of oil present in rice bran is _____.
7. _____ and _____ are the by-products obtained from rice processing.
8. HACCP stands for _____.
9. The removal of solid particles from a fluid is called _____.
10. _____ is the most commonly used solvent in the solvent extraction

II Write short notes on ANY FIVE of the following

(5x2=10)

1. What are the by-products of coconut processing?
2. What is rendering? Explain the types.
3. Write down the steps involved in oil extraction from food wastes.
4. What are the various by-products of wheat milling?
5. Differentiate between molasses and bagasse.
6. What is briquetting of biomass?
7. What are the various sources of biomass?

III Answer ANY FIVE of the following

(5x4=20)

1. Draw the flow chart for production of ethanol from sugarcane molasses.
2. How is pectin extracted?
3. Write a flowchart on Gibblet processing.
4. Draw the layout of a waste recycling plant.
5. Explain the process involved in production of Citric acid from fruit waste.
6. Enumerate the fermentation products from cane molasses.
7. Explain the production of pulp and paper from biomass.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain in brief about the methods involved in making wastes to briquettes.
2. Explain rice processing and its waste utilization process from industries in detail.
