

**22U5107**

(Pages: 2)

Name: .....

Reg.No: .....

**FIFTH SEMESTER B.Voc. DEGREE EXAMINATION, NOVEMBER 2024**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC21U SDC5 BU14 - BYPRODUCT UTILISATION AND WASTE MANAGEMENT**

(Food Processing Technology - Skill Component Course)

(2021 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. List the importance of effluent treatment.
2. Define waste characterisation.
3. List the forms of phosphorous present in waste water.
4. Define sedimentation.
5. Define influent.
6. Identify the utilisations of byproducts from cereals.
7. Name the byproducts from pulses.
8. Name the byproducts from oil seeds.
9. List out the characteristics of the byproducts from vegetables.
10. Name the byproducts from dairy.
11. List out the characteristics of the byproducts from egg.
12. Identify the utilisations of byproducts from fish.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Briefly explain about oxygen demand.
14. Write about FOG.
15. Write about trickling filter.
16. Write about the byproducts from fruits.
17. Briefly explain about press mud and beet pulp.

18. Write about gelatin from meat industry.
19. Write about the utilization of feathers from poultry.

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. Write in detail about Scope and importance of waste management.
21. Explain in detail about Waste characterization Temperature, pH, Oxygen demands (BOD, COD, TOD), fat, oil and grease content.

**(1 × 10 = 10 Marks)**

\*\*\*\*\*