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Name.....

Reg. No.....

**THIRD SEMESTER B.VOC. DEGREE EXAMINATION
NOVEMBER 2023**

Fish Processing Technology

SDC 3FI 15—OPERATION MANAGEMENT IN FISH PROCESSING PLANTS

(2021 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A*Each question carries 2 marks.**Ceiling 25 Marks.*

1. Site selection criteria for a fish processing plant.
2. What is Absorption ?
3. Fisheries extension and its importance ?
4. Layout of a cold storage.
5. Biological effluent treatment.
6. What is the use of data logger ?
7. Differentiate solar drying and sun drying.
8. What are the functions of a refrigeration system ?
9. What are the main legislative requirements connected to effluent treatment plant in seafood industry ?
10. What are the purposes of dissolved air floatation ?
11. Factors influencing plant location ?
12. What are the chemical treatments which can be applied for waste removal ?
13. Instrumentation for measurement ?
14. Classification of extension methods.
15. What are the characteristic of sensors for the measurement of aw value ?

Turn over

Section B

Each question carries 5 marks.

Ceiling 35 Marks.

16. What is the diffusion and adoption process in fisheries extension ?
17. Fisheries extension-need and importance.
18. Describe the preventive maintenance of machinery and equipment of fish processing plants.
19. Describe waste water treatment process.
20. Describe characteristic of sensors for the measurement of temperature, relative humidity, aw value, gel strength, moisture, freshness, pH, conductivity,
21. Role of EIA in fisheries sector.
22. List out the agencies under the department of fisheries.
23. General design consideration in food processing plant ?

Section C

Answer any two questions.

Each question carries 10 marks.

24. Why do you need inspect and check the condition of equipment and machine before operation them ?
25. Explain principles of extension education in fisheries.
26. Operation and maintenance of machinery and equipment for cold storage plant, freezing plant, canning plant, sausage making, dryers.
27. Fish processing industrial pollution and control measures.

(2 × 10 = 20 marks)