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B.F.Sc./5th Sem /25

2025

5th Semester Examination

4-Years B.F.Sc.

Paper : BFSC-507

(Fish Packaging Technology)

Payan

Full Marks : 50

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

1. Answer any *ten* questions : $2 \times 10 = 20$

(a) Define packaging with reference to fishery products.

(b) What is labelling of a product?

(c) State the definition of protective packaging.

(d) What is UV printing technique on packaging materials?

(e) What do you mean by holograms?

(f) Point out the difference between screw cap and nap lid.

P.T.O.



(2)

✓ (g) Mention two packaging requirements for frozen fish.

(h) What do you mean by thermoform containers?

(i) What are duplex cartons?

✓ (j) Mention one advantage and one disadvantage of retort pouch packaging.

✓ (k) Write down the concept of active packaging.

(l) State the difference between laminations and coextrusion process.

✓ (m) What are food contact materials (FCMs)?

✓ (n) What do you mean by resin code?

✓ (o) Give two examples of edible films used in food packaging.

Group - B

2. Answer any *six* questions :

5×6=30

a) Describe vacuum packaging and Modified Atmosphere Packaging (MAP). 2½+2½

✓ (b) Write a note on safety and legislation aspects of packaging.

✓ (c) Discuss the functions and objectives of packaging in seafood preservation. 2+3



(3)

- ✓(d) Describe the manufacturing principles of plastic packaging materials used in food packaging.
- (e) What are the major factors affecting transport worthiness of seafood materials?
- ✓(f) Describe the uses of glass containers in food packaging and mention their advantages. 2+3
- (g) Explain the importance of moisture and oxygen barrier properties in fish packaging. 2+3
- ✓(h) Describe the properties of paper and paperboard used in packaging. $2\frac{1}{2}+2\frac{1}{2}$
- ✓(i) Illustrate the applications of intelligent packaging systems in food packaging.
- (j) Discuss the environmental aspects of food packaging materials and waste management. $2\frac{1}{2}+2\frac{1}{2}$
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