



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engg.) 2015 Admission
VII Semester Final Examination-January 2019

Fdpr.4106

Processing of Marine Products (2+0)

Marks: 50
Time: 2 hours

I Fill in the Blanks

(10x1=10)

- 1 _____ is one of the oldest known method of preservation
- 2 _____ mixture was the first man made freezing system used for freezing
- 3 _____ smoking was developed and is popular in the soviet union.
- 4 _____ to _____ hours may be taken to produce ice
- 5 _____ is one of the alternative for metal cans

State True or False

- 6 Cryogenic freezing is much faster than air blast freezing.
- 7 Refining is the process of removal of left out bones, skin etc.
- 8 Thawing is not the reverse of freezing process.
- 9 Thickness of tin coating is expressed as mg/sq .m.
- 10 Fish products generally comes under the classification of low acid foods.

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Dryer and types of driers.
- 2 Differentiate cold smoke and hot smoke
- 3 Freezing and types of freezing.
- 4 Types of thawing.
- 5 Mince based fish products.
- 6 Low temperature preservative methods.
- 7 What are fisheries by products.

III Answer any FIVE of the following.

(5x4=20)

- 1 Essential characteristics for satisfactory functioning of retort pouch.
- 2 Surimi and surimi based products.
- 3 Salting and salting methods.
- 4 Methods of prevention of bacterial spoilage.
- 5 Packaging requirements for frozen fish .
- 6 List out the industrial marine products.
- 7 Uses of fish oil.

IV Write an essay on any ONE of the following

(1x10=10)

- 1 Freezing methods
- 2 Retort pouch processing techniques.
