

C 82426

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Name.....

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2015

(CUCSS)

Zoology

Fishery Biology – III

ZO 4ET 12—HARVESTING, POST HARVESTING TECHNOLOGY AND MARKETING

Time : Three Hours

Maximum : 36 Weightage

I. Answer all the *fourteen* questions :

- 1 Bio-chemical spillage.
- 2 Onboard handling and processing of fish.
- 3 NIO.
- 4 Value added products and its marketing.
- 5 Fish aggregating devices.
- 6 Sea food trade fairs.
- 7 Commercial fishing methods.
- 8 Commercially important prawns and shrimps of India.
- 9 Grades of fish products.
- 10 CIRNET.
- 11 Letter of Credit.
- 12 Dredging.
- 13 Eco-sounder and sonar.
- 14 Irradiation.

(14 × 1 = 14 weightage)

II. Answer any *seven* questions :

- 15 Physical and bio-chemical changes during post mortem.
- 16 Different techniques of processing fish harvest.
- 17 The role of different agencies involved in education on fishery in India.
- 18 Importance of Total Quality Management in sea food industry.
- 19 Enlist the commercially important Lobsters of India.
- 20 Accelerated Freeze Drying (AFD).

Turn over

- 21 IQF shrimp and Cooked shrimps.
- 22 Battered and breaded products.
- 23 Objectives of fishery extension education.
- 24 Marketing of fish in India.

(7 × 2 = 14 weightage)

III. Answer any *two* questions :

- 25 Discuss the microbial hazards involved with the sea food industry.
- 26 Briefly explain different steps involved in packing and export of sea food.
- 27 Explain the important role of fisherman co-operatives in fishery management.
- 28 Describe the scientific and applied values of different fish by-products.

(2 × 4 = 8 weightage)