KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Food Engg.) 2014 Admission VII Semester Final Examination-January-2018

Fdpr.4106

demerits.

Processing of Marine Products (2+0)

Marks: 50

Time: 2 hours

1 Fill in the Blanks (10x1=10)In -----stage the temperature falls below the freezing point, without forming ice crystals. Ice water ratio in chilled sea water is -----Dun spoilage is caused by ---------- enzyme is mostly used in bating process of fish leather preparation. 5 Time in minutes required to kill an organism in a specified medium at 121.1°C is called as -----value. Match the Following Thermal arrest period a Sauce b Smoked fish Indigenous bacteria c Freezing stage Pink spoilage Benzopyrene d Sarcina Vibrio 10 Patis H (5x2=10)Write Short notes on any FIVE of the following Spoliage of fish during chilled storage. 1 2 Define freezing 3 Eutectic point 4 Frezing Rate 5 Freezing time Define enthalpy and entropy Principle of salting (5x4=20)III Answer any FIVE of the following. Heat resistance of microorganisms 1 TDT curve 3 Write about principle and advantages of aseptic packaging Explain different types of mechanical dryers Different types of salting methods 5 Different types of smoking methods Write about Fish sauce IV Write an essay on any ONE of the following (1x10=10)

Explain the extraction methods involved in fish body oil and liver oil

Write about principle involved in Retort pouch Processing and explain the merits and
