KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food. Engg) 2012 Admission VIIth Semester Final Examination-January -2016

Cat. No: Fdpr.4106 Title: Processing of Marine products (2+0)		Marks: 80.00 Time: 3 hour
I F	ll up the blanks/State True or False	$(10 \times 1=10)$
	1. Z value ofoc is designated as F0	
	2. Freezer that use liquid nitrogen at -196°c isfreezing	
	3is the principle used in freeze drying	
2	is a valuable product from prawn shell	
,	 Case hardening is a defect with freezing 	
	5. Spoilage of fresh water fish does not result in production of Trimethyl Amin	e
	7. SI unit of irradiation is	
8	3is an example of fresh water fish	
9	Cans for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to prevent discount for packing fish are coated withlacquer to packing fish are coated with	loration
	Aluminium foil is used as a barrier against	
II Wı	rite short notes on any TEN questions	$(10 \times 3=30)$
1.	Water activity	
2.	Smoking of fish	
3.	Z value	
4.	Exhausting	
5.	Retortable pouches	
6.	Cryoprotectants	
7.	Fish sauce	
8.	Eutetic point	
9.	Commercial sterility	
10). Antibiotics in fish preservations	
11	. Masmin	
12	2. HTST process	
шw	rite short essay on any SIX questions	$(6 \times 5=30)$
1.	Individual Quick Freezing	
2.	Cold point in canning	
3.	Slow and quick freezing	
4.	Drying curve	
5.	Pickling	<u> </u>

- 6. Block ice manufacture
- 7. Pelagic and demersal fish
- 8. Chitosan

IN Write essay on any ONE

 $(1 \times 10=10)$

- 1. Explain the causes of fish spoilage and principle behind i) Drying ii) Freezing iii) icing
- 2. What is aseptic packaging .Describe the different package forms