KERALA AGRICULTURAL UNIVERSITY
B.Tech (Food. Engg) 2013 Admission
IVth Semester Final Examination-June/July -2015

Title: Food Processing Engineering (2+1)	Marks: 50.00 Time: 2 hours
I Define /Fill up the blanks	(10 x 1=10
Mixing index	· 6*
2. Blanching	er od
3. Sterilization	
4. Pasteurization	
5. Dehydration	
Refrigeration principle is used indryer	
7. Unit of viscosity is	
8 is also called as cold sterilization	
Movement of water in food drying is byforce	
10. Heat is generated due toin food material in microwave hea	ıting
II Write short notes on any FIVE questions	$(5 \times 2 = 10)$
Extruded products	in the second
2. Thermal death time	
3. Freeze concentration	
4. Psychrometry	
5. Sensory characteristics of food	
6. Energy conservation	
7. Screw conveyor	
III Write short essay, on any FIVE questions	(5 x 4=20)
Explain working principle of tray dryer	
2. Discuss low temperature preservation	90
3. Explain Osmotic dehydration	
4. Discuss Ohmic heating of food	
Explain principle and working of bucket elevator	
Discuss working of twin screw extruder with neat sketch	A
7. Explain high pressure processing	
IV Write an essay on any ONE	$(1 \times 10=10)$
 Discuss drying characteristics of food materials with suitable examples 	
2 Discuss equipments used for mixing solids ,liquids and pastes	