CBCS SCHEME

	The same of the sa	USN	1		15BT744	
3	Libr		(E	Seventh Semester B.E. Degree Examination, Dec.2019/Jan.20	020	
2	Date	රුකුල එක්ස් ජාගල සම්බන්ධ ජාගල	Food Biotechnology			
14	BANON	Tim	ie: 3	B hrs. Max. M	Iarks: 80	
	TOAL	UND	N	ote: Answer any FIVE full questions, choosing ONE full question from each mo	odule.	
				Module-1		
	tice.	1	a.	What are Browning reactions? Describe the non – enzymatic browning reactions is		
	npulsorily draw diagonal cross lines on the remaining blank pages. ppeal to evaluator and /or equations written eg, $42+8=50$, will be treated as malpractice		b.	Explain the nutritional aspects of carbohydrates, proteins and fats in food.	(08 Marks) (08 Marks)	
	as m			OR		
	sated	2	a.	Define Colloidal system. What are the different types of colloidal systems prese		
	es. be tre		la:	Describe the stability of colloidal systems. Write short notes on: i) Anti – nutritional factors in food ii) Food faddish	(08 Marks)	
	k pag will		b.	food habits.	(08 Marks)	
	blan = 50,			Module-2		
	ining 2+8=	3	a.	Elaborate on the various membrane filter methods available for the detection	of micro -	
	emai eg, 47			organism in foods.	(08 Marks)	
	the r		b.	Discuss the gastroenteritis caused by Salmonella in detail.	(08 Marks)	
	es on s wri			OR	(00 Mandas)	
	s line ation	4	a. b.	Write short notes on: i) Agar droplet method ii) Dye reduction. Describe the intrinsic and extrinsic factors that influence microbial growth in foo	(08 Marks) ds.	
	l cros r equ		0.		(08 Marks)	
	gona nd /o			Module-3		
	v dia tor a	5	a.	Elaborate on the protection of foods by drying or dehydration.	(08 Marks)	
	drav		b.	Give a concise account of the production of wine.	(08 Marks)	
	sorily to e	_	***	OR		
	npuls	6		rite short notes on the following: Pasteurization. b. Food preservatives.		
	s, cor on, a		c.	Sauerkraut. d. Vinegar.	(16 Marks)	
	swers			Module-4		
	ır an: lentif	7		Explain the proximate analysis of food constituents.	(08 Marks)	
	g you of ic		b.	Write short notes on: i) Labelling of food constituents ii) Edible films.	(08 Marks)	
	oletin aling			OR OR	an food	
	comp	8	a.	What are the objectives of food processing? Discuss the effects of food processing constituents.	ig on 1000 (08 Marks)	
	1. On completing your answers, cor 2. Any revealing of identification, a		b.	Elaborate on the role of enzymes in food industry.	(08 Marks)	
	2.1.			Module-5		
	rtant Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be	9	a.	Give a concise account of the thermal properties frozen food.	(08 Marks)	
	tant		b.	Write a note on equipments related to pulping and fruit juice extraction.	(08 Marks)	

10 a.

(08 Marks)

a. Discuss food dehydration, its kinetics and methods in detail.
b. Write short notes on: i) Food safety ii) Plate Freezers and Immersion freezers.

(08 Marks)