CERTIFICATE PROGRAMME IN FOOD SAFETY

Term-End Examination June, 2012

BFN-001: INTRODUCTION TO FOOD SAFETY

Time	e : 3 H	ours	Maximum Marks :	100
Not			t five questions in all. Question No. sory. All questions carry equal marks.	1 is
1.	(a)		nment on the relationship between the wing sets of terms :	10
		(i)	Globalization Food safety problem	
		(ii)	Phytoestrogens Threat to food safety	
		(iii)	Blanching Preservative technique	
		(iv)	Potentially Hazardous Foods (PHF) Temperature Danger Zone	
		(v)	Anaerobic digestionwaste disposal	

	(D)	Fill in the blanks :		
		(i)	is a chemical substance	
			which is added to the cleaning	
			compound to prevent the salts of	
			calcium in hard water from forming	
			deposits on the equipment surface.	
		(ii)	is a treatment technology	
			used to destroy waste by controlled	
			burning.	
		(iii)	Rodent traps are an example of	
			method of pest control.	
		(iv)	A temperature of should	
			be maintained in the refrigerator.	
		(v)	is a parasitic food borne	
			infection found in populations	
			consuming undercooked pork.	
	(c)	List f	five good hygiene practices which you	5
		as a f	food handler should adopt to maintain	
		food	quality.	
2.	Disc	uss th	e concept of 'Integrated approach to	20
			y,' highlighting the various food safety	20
			should be adopted to achieve this	
		gration		
3.	(a)	Briof	ly explain how does oxyzen,	4.0
٠.	(α)			10
			perature, water activity and PH ence bacterial growth.	
	(b)		t are chemical hazards? Discuss,	4.0
	(0)		•	10
			lighting the natural occuring and discouring and discours and discourse and discours	
		MAUCE	a chemical hazards.	

4.	Exp	Explain the following statements briefly: 5+5+5+5=20					
	(a)	Hurdle technology is a reliable preservation					
	(b)	technique. Prions are a recent concern to food safety	۲				
	(c)	Foods are classified on the basis of their stability.					
	(d)	Organic foods are good for health.					
5.	(a)	Describe the intrinsic and the extrinsic factors affecting spoilage of food.	10				
	(b)	How is ambient temperature processing different than processing by application of heat? Explain giving examples.	10				
6.	(a)	What is the time- temperature control process? Explain its relevance in food safety, giving appropriate examples.	10				
	(b)	What are high risk foods? Enlist	4				
	(c)	What measures would you adopt while display and storage of high risk foods? Enumerate.	6				
7.	(a)	Differentiate between cleaning and sanitizing in the context of work surfaces in a food service unit.	4				
	(b)	How will you choose a cleaning agent for your unit? Explain, considering the different action of the cleaning agents available.	10				
	(c)	Enlist the facilities for employees you will ensure in your food service unit.	6				

- 8. Write short notes on *any four* of the following: 5+5+5=20
 - (a) Avian Influenza is threat to food safety.
 - (b) Changes in food caused by microorganisms.
 - (c) Food processing by removal of heat.
 - (d) Types of food storage.
 - (e) Measures for safe disposal of waste.