No. of Printed Pages : 3

BFN-001

CERTIFICATE PROGRAMME IN FOOD SAFETY

00500

Term-End Examination

June, 2010

BFN-001 : INTRODUCTION TO FOOD SAFETY

Note		nswer five questions in all. Question number 1 is ompulsory. All questions carry equal marks.
1.	(a)	Explain the following in 2-3 sentences : 10
		(i) Risk Assessment
		(ii) HACCP
		(iii) Prions
		(iv) Pasteurization
		(v) Bioprocessing
	(b)	Give one example for each of the following : 10
		(i) Food borne virus causing illness.
		(ii) Unicellular fungi.
		(iii) Shell fish toxin poisoning.
		(iv) Method of drying for food preservation.
		(v) Chemical insecticide.
		(vi) Physical hazard in food.
		(vii) Type of bacteria based on temperature for survival.

1

BFN-001

- (viii) Toxic heavy metal in food.
- (ix) GM food crops undergoing field trial in India.
- (x) High risk food.
- 2. (a) Diagramatically explain the different phases 6of growth of the bacteria.
 - (b) What are the factors affecting bacterial 6 growth ?
 - (c) You are incharge of inspecting food in an food service establishment. What points would you keep in mind on receipt of food ?
- (a) Discuss the importance of maintaining food 10 safety and quality in the entire chain of food production.
 - (b) What are the various intrinsic and extrinsic 10 factors which affect food spoilage ?
- 4. (a) What are the different types of food storage 12 areas ? Discuss the essential features that must be present in food storage areas.
 - (b) Describe giving examples the different ways 8 in which cleaning agents act.
- 5. (a) What is sanitation ? List the benefits of a **8** food sanitation programme.

2

(b) Discuss some of the physical and chemical 12 methods of pest control.

BFN-001

6.	(a)	What are some of the facilities you must	10
		provide for employees in any food service	
		establishment to ensure hygienic practices ?	

- (b) What is the need for regular waste disposal ? 10
 What points will you keep in mind regarding design and placement of garbage and refuse containers ?
- 7. (a) What are the different types of chemical 10 hazards that can be present in foods ? Explain briefly.
 - (b) What is the effect of processing on the **10** nutritive value of food ?
- 8. Write short notes on *any four* of the following :

5+5+5+5

(a) Organic foods

(b) Avian Influenza

(c) Changes in foods caused by microbial spoilage

3

- (d) Guidelines for refrigeration storage
- (e) Recent concerns related to food safety

BFN-001