

**2** (a) Objective questions:

(1)(2)

4

(1) What is putrefaction?

Nitrogen fixation

(2) Central AGMARK laboratory is at \_\_\_\_\_\_.

Explain Interactions among soil microorganisms.

- (3) Define functional foods.
- (4) What are perishable foods?

	(b)	Answer in brief : (Any one)		2
		(1)	Define Sauerkraut.	
		(2)	What is the concept of Fresh food?	
	(c)	Answer in detail: (Any one)		
		(1)	Explain single cell protein.	
		(2)	Describe role of Clostridium botulinum in food	
			poisoning.	
	(d)	Write a note on: (Any one)		
		(1)	Describe methods of food preservation	
		(2)	Microbial spoilage of foods.	
3	(a)	Obje	ective questions :	4
		(1)	Write the name of cultures use in yogurt preparation.	
		(2)	High temperature short time (HTST) method expose milk to	
		(3)	sugar is mainly present in milk.	
		(4)	Which enzyme is used for coagulation of milk	
			during cheese manufacturing?	
	(b)	Ans	Answer in brief: (Any one)	
		(1)	Define Kefir.	
		(2)	What is MBRT ?	
	(c)	Answer in detail : (Any one)		3
		(1)	Explain grading of milk.	
		(2)	Describe spoilage of milk and milk products.	
	(d)	Writ	te a note on : (Any one)	5
		(1)	Types of microorganisms in milk	
		(2)	Microbial analysis of milk.	
4	(a)	Objective questions:		4
		(1)	Define potable water.	
		(2)	What do you mean by oxidation ponds?	
		(3)	Sanitary sewers carry	
		(4)	What is the purpose of final treatment of	
			waste water?	

	(b)	Answer in brief: (Any one)		
		(1)	What are nuisance microbes of aquatic system?	
		(2)	Define BOD, COD.	
	(c)	Answer in detail : (Any one)		
		(1)	Discuss the procedure of water purification	
			at municipal level with flow diagram.	
		(2)	Explain Trickling filter.	
	(d)	Write a note on : (Any one)		
		(1)	Solid waste processing	
		(2)	Describe methods used for Bacteriological	
			analysis of water.	
<del>-</del>	(0)	Obje	pativo quastians :	4
.)	(a)		ective questions : Write full name of GLP.	4
		(1)		
		(2)	What is Pharmacanacia ?	
		(3)	What is Pharmacopoeia?	
		(4)	ISO founded on and headquartered	
	(l-)	A	in	0
	(a)		wer in brief : (Any one)	2
		(1)	Define pharmaceutical microbiology.	
	(a)	(2)	What is Quality assurance?	9
	(c)		wer in detail : (Any one)	3
		(1)	Discuss Total Quality Management	
		(2)	Explain GMP in detail.	5
	(d)	Write a note on: (Any one)		
		(1)	Explain strategies for certifications of quality	
			assurance and management in pharmaceuticals	
		(2)	Methods of sterility testing of pharmaceutical	
			products.	