

PE: 521

(574) M.Sc. Microbiology (FOURTH SEMESTER)

Examination JUNE. 2022

Compulsory/optional

Paper – II

Name of Title of Paper : FOOD MICROBIOLOGY

Time: Three Hours

Maximum Mark :80

Minimum Pass Marks: 29

Note Answer from both the sections as directed. The figures in the right hand margin indicate marks

	Section-A	
Question No 1	Answer the following	1 X 10
a	Give one example of egg spoilage microorganisms.	
b	How temperature affect foods.	
c	What is canned food which microorganism are found in it?	
d	Is Kefir a milk product?	
e	What is probiotics?	
f	What is full form of HACCP.	
g	Which Microorganism is made from milk to curd.	
h	Which Microorganism produce Mycotoxins.	
i	Is bacillus cereus responsible for food born disease.	
j	Name any one modern fermented food in india.	
Question No 2	Write short notes on the following	2 X 5
a	Spoilage of Vegetables.	
b	Chemical methods of food preservation.	
c	What is Kumises?	
d	Food sanitation and control.	
e	How does <i>E.coli</i> affect foods?	

	Section-B	
	Answer the following question	15 X 4
Unit - I	Describe the principle of spoilage of fruits and meat.	
	Or	
	What is intrinsic and extrinsic factors that effect growth explain in details.	
Unit - II	Write essay on physical methods of food preservation.	
	Or	
	How antibiotics and bacteriocins effects food preservation	
Unit - III	Write essay on traditional fermented foods in India.	
	Or	
	Give curd formation in details.	
Unit - IV	Write essay on negative indices of food sanitary quality and sanitizers.	
	Or	
	Give two names of bacteria, fungi involved in food intoxications by them.	