Microbiology (P.G.) [CBCS]

M.Sc. Third Semester End Examination-2024 (Regular& Supplementary Paper) PAPER-MCB-303

[Fundamentals and Application of food Microbiology]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group A (MCB-303.1)

(Marks 20)

1.	Answer any two questions of the following: 2x2=	= 4
a)	What do you mean by food intoxication and food infection? 1	+1
b)	Write down the full forms of HACCP and EPA.	+1
c)	What is semi perishable food? Give one example.	+1
d)	What is probiotics? Write down its importance.	+1
2.	Answer any two questions of the following: 2x4=	- 8
a)	Write down the extrinsic and intrinsic factors influencing	the
	growth of microbes in food.	+2

b)	Write down the source of microorganism in different f	oods.	4	2.	Answer an
c)	How does shelf-life depend on moisture and fat conte	nt of fo	od?	a)	Briefly des
		2	2+2		diagram.
d)	What are food additives? Write down the basic principal	ple of i	food	b)	Write dowr
	sapoilage		1+3	c)	Write a sho
				d)	Why micro
3.	Answer any one question of the following:	1 x	8=8		Why orient
a)	What is canning? Describe the industrial canning pro	cess? I	łow		consumers
	canned foods get spoiled?	2+.	3+3	3.	Answer an
b)	What is meant by food preservation? Describe the process of				Mention t
	preservation?	,	2+6	a)	production.
	Group B (MCB-303.2)			production.	
	(Marks 20)				
1.	Answer any two questions of the following:	2x2	= 4	b)	Write dow
a)	Mention the types of bacteriocin from grampositive ba	cteria.	2		health bene
b)	What is SCOBY? Mention the properties of ideal a	acetic :	acid		process fo
	bacteria.	,	1+1		microorgan
c)	nat is spore printing? Is mycoprotein suitable for vegans? 1+1				
d)	Write examples of pigment and flavour producings of	organis	ms.		
		1	+1		