## PARUL UNIVERSITY

## PARUL INSTITUTE OF APPLIED SCIENCES

## MID SEMESTER INTERNAL EXAMINATION, MARCH 2020

B. Sc. Microbiology Semester IV

Date: 02 /03/2020

**Paper Name: Food Microbiology** 

Paper Co	o <b>de:</b> 11	101253		Tim	e: 1hr 30min			
Max. Ma	arks: 40	)						
Instructions:								
1. All questions are compulsory and options are given in first and second question only.								
2. Numl	bers to t	he right of question	indicate the marks	of respective question.				
Q. 1	Attem	npt any one question of the following.			(08)			
	(i) En	ms.						
	Explai							
	(ii) De							
Q. 2	Attem		<b>(12)</b>					
	(i) Wr	(i) Write a note on fermentation of miso.						
	(ii) Explain spoilage of any one type of food products.							
	(iii) W							
	(iv) D							
	(v) Ex							
Q. 3	Do as	directed. Attempt al	Il five questions.		(05)			
		nat is rancidity? Nan	ne its types.					
	(ii) De	efine lautering?						
	(iii) Name the organisms used in yoghurt production.							
	` ′		between food into	xication & food infection	on			
		pand MRSA.			(15)			
Q. 4								
	choice	e questions.						
1.600.4	- TO							
MCQ 1		w for pure water is	( <b>D</b> )	0.00				
	(A)	1.00 0.9823	(B)	9.99 0.1				
MCQ 2	(C)	0.9823 ridium perfingens p	(D)	0.1				
MCQ 2	(A)	Exotoxin	(B)	Enterotoxin during s	norulation			
	(A) (C)	endotoxin	(B) (D)	Enterotoxin during v	•			
	(C)	Chdotoxin	(D)	phase	egetative			
MCQ 3	fermented							
MCQ 3	Shredded cabbage is the starting product for which of the following fermented food?							
	(A)	Sauerkraut	(B)	Pickles				
	(C)	Green olives	(D)	Sausage				
MCQ 4	` '							
1.10 € .	(A)	E. coli	(B)	Enterobacter				
	(C)	Lactobacillus	(D)	Shigella				
MCQ 5								
- 6 0	(A)	Lactate	(B)	Oxygen				
	(C)	Ethanol	(D)	Carbon dioxide				
MCQ 6	` '	kample of perishable	` ′					

	(A)	Fruits	(B)	Fish			
	(C)	Vegetables	(D)	All of these			
MCQ 7	Which of the following microorganism have a high vitamin content?						
	(A)	Bacteria	(B)	Yeast			
	(C)	Algae	(D)	Protozoa			
MCQ 8	'Sarcina sickness' of beer is caused by						
	(A)	Saccharomyces cerevisiae	(B)	Pediococcus cerevisiae			
	(C)	Lactobacillus pastorianus	(D)	Hansenula anomala			
MCQ 9	Bacterial inoculums is transferred to production media when bacteria are						
	(A)	Metabolically active	(B)	In dormant stage			
	(C)	In sporulation stage	(D)	None of the above			
MCQ 10	Main aim of inoculums preparation is						
	(A)	To minimize contamination	(B)	To increase production			
	(C)	To decrease lag phase of	(D)	All of the above			
		desired organisms					
MCQ 11	Ergot is obtained from						
	(A)	Rhizopus	(B)	Claviceps			
	(C)	Albugo	(D)	Phytomonas			
MCQ 12	The Staphylococcal intoxication refers to presence of						
	(A)	An enterotoxin	(B)	Neurotoxin			
	(C)	Mycotoxin	(D)	All of these			
MCQ 13	What are the intrinsic factors for the microbial growth?						
	(A)	рН	(B)	Oxidation-Reduction potential			
	(C)	Moisture	(D)	All of these			
MCQ 14	Aflatoxin is produced by						
	(A)	Penicillium	(B)	Neurospora			
	(C)	Rhizopus	(D)	Aspergillus			
MCQ 15	Which of the following is produced by fermentation of milk?						
	(A)	Yogurt	(B)	Sauerkraut			
	(C)	Tempeh	(D)	Kombucha			

-- End of Paper--