Seat No. : \_\_\_\_\_

## **AK-115**

## April-2016

## B.Sc., Sem.-IV

## CC-205 : Microbiology

Time: 3 Hours] [M				[Max. Marks : 70
Insti	ructio	<b>ns</b> : (1)	Attempt all questions.	
		(2)	Mention correct question number against the answer.	
		(3)	Draw neat diagrams wherever necessary.	
1.	Answer any <b>two</b> :			14
	(a)			
	(b)			
	(c)	Write a 1	note on the microbial flora of meat and eggs.	
	(d)	Explain	food poisoning by molds.	
2.	Describe any <b>two</b> :			14
	(a)	Spoilage of grains, fruits and vegetables.		
	(b)	Spoilage of canned foods.		
	(c)	Use of h	igh temperature in food preservation.	
	(d)	Use of C	smotic pressure and radiation in food preservation.	
3.	Write notes on any <b>two</b> :		14	
	(a)	Spirullin	a as food.	
	(b)	Cheese a	s a fermented food.	
	(c)	Bread an	d Idli as fermented foods.	
	(d)	Acidoph	ilus milk, Kefir and Kumiss.	
4.	Explain any <b>two</b> :			14
	(a)	Microbio	ological analysis of food by SPC.	
	(b)	MPN in	bacteriological analysis of food.	
	(c)	Use of se	elective media for detection of specific pathogens in fo	od.
	(d)	Resazuri	n and Phosphatase test.	
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- 5. Answer in a few lines only :
  - (1) What is botulism ?
  - (2) Name the major sugar and protein present in milk.
  - (3) Give two examples of non-perishable foods.
  - (4) What is rancidity?
  - (5) Name the chemicals used for preservation of meat.
  - (6) What is "nisin"?
  - (7) Name two bacteria causing discoloration of foods.
  - (8) What is Prebiotics ?
  - (9) Give two criteria for an ideal bacterial starter culture for dairy industry.
  - (10) Give two examples of soft cheese.
  - (11) What is SCP ? Name two organism used as SCP.
  - (12) What is the use of acid-fast staining?
  - (13) What is MBRT and give its use.
  - (14) Name two agencies for quality control, labelling and testing of foods.