

KERALA AGRICULTURAL UNIVERSITY B.Tech.(Food Engg) 2018 Admission II Semester Final Examination- June 2019

General Microbiology(1+1)

Fdqu.1202		1202 General Microbiology(1+1)	Marks: 50
		· · · · · · · · · · · · · · · · · · ·	ne: 2 hours
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I		Fill up the blanks	(10x1=10)
	1	has described phagocytosis of bacteria.	e f
	2	Gram-positive cell walls contain a higher percentage of than the	se or
		Crow negotive cells	
	3	The DNA of phages becomes integrated into the host genome, where it is known as a	
		is a group of related genes under the control of a single operator sequences and the control of a single operator sequences are a sequence of the sequences are a sequences ar	ience
	4	is a mutation in which a purine replaces a pyrimidine, or a pyrimidine	
	5		
		replaces a purine is an organism that can derive its carbon from carbon dioxide	
	6	is a medium that allows colonies of a particular organism to be	
٠	7	Is a mechanic anows colonies of a particular and	
		differentiated from others growing in the same culture is the synthesis of ATP by the direct transfer of a phosphate group from a	
	8	is the synthesis of ATP by the uncer transfer of a phosphare group	
		phosphorylated organic compound to ADP. is the process of uptake of naked DNA from the environment and its	
	9	is the process of uptake of naked DIVA from the environment	
		integration into the host genome is the process of bacteriophage-mediated transfer of genetic ma	terial
	10		
		between bacteria.	(5x2=10)
II		Write Short notes on any FIVE of the following	
	. 1	Four examples of microbes used in our day to day activities.	
	2	Third kingdom Protista.	
	3	Applied areas of microbiology.	
	4	Functions of bacterial capsule.	
	5	Continuous culture.	
	6	Koch's Postulates.	
	7	Various antigen antibody reactions.	(5x4=20)
III		Answer any FIVE of the following.	
	1	Contribution of Louis Pasteur.	•
· •	2	Major characteristics of microorganisms used in classification.	
	3	Electron microscope.	
	4	Pour plate method for isolation and enumeration of bacteria.	
	5	Conjugation.	
	6	Characteristics of Immune response.	
	7	Bacterial transcription.	(1x10=10)
IV		A new or any ONE of the following	
	1		ule
	2		~ · · ~