

Agric.Biotech.Dept.

Time allow: 2 hr Date:Tus-4-6-2024 Place: Hal No.210 At:10 Am-12 Pm

Total marks:60

Final Exam. of 5 th level of English Language For M.Sc. Degree Students 2023-2024 Second Semester Prof. Dr. Husain El-Fadaly



Please answer the fallowing questions

	The first question	:		(20 marks)	
A-	Write a short essay on each of the following: Mesosomes – Toxoplasmosis – plasmolysis – - Covid-19 – Botulism – Murein –			(16 marks)	
	Mesosomes –	Toxoplasmosis –	plasmolysis –	Archieobacteria	
	Covid-19	Botulism –	Murein –	Brucellosis.	
B-	B- Draw bacterial cell showing its arrangements and the inltra-cellular and extra-cellular appendages (4 marks				
	The second questi	on:		(15 marks)(10 marks)	
A-	Translate into En	glish:		(10 marks)	
	نيتروجينية مثل: البروتين	ع تحليل المواد العضوية ال	ات الحية الدقيقة التي تستطب	تحتوى التربة الزراعية على أعداد كبيرة جدا من الكاند	
	واختيارية واكتينوميستات	وتين تشمل بكتيريا هوائية	ي والميكروبات المحللة للبر	والأُحمَّاضُ النوويَّةُ وَعيرِها وتنتج NH ₃ كمركب أساس	
	وفطريات والنواتج النهائية لتحليل البروتينات هوانيا هي CO2 - H2O - H2S -NH3 أما التحلل تحت الظروف اللاهوانية فعادة يكون				
				مصحوبا بروانح كريهة وتسمي عملية النطل في هذه الد عضوية.	
В-	Translate into Ara	abic:		(5 marks)	
	Flat sour spoilage of canned foods is occurring when the thermophilic bacteria grow but the can is not				
	swollen by gas pro	duction, it is called fla	t sour spoilage which i	s caused by thermophilic bacteria such as	
	Bacillus stearother	<i>mophilus</i> which hydro	lyze both starch and su	agars that are used in food preparation.	
The	third question: W	rite the word which	best fits space	(10 marks)	
1-	Absance of bacteria	ıl envelope causes	colonies while its	presence causes colonies.	
2-	6-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4				
3-					
4-	Rod-shaped bacterial cells are calledand its plural is				
5-	I Provide the Prov				
6-	Most bacteria is	and it can mult	iply by		
7-	Other forms of bact	eria are	,or		
8-	The bacteriophage is eitheror				
The fourth question: write the following sentences are true or false(5 marks)					
1-	Bacteria are surrour	ided by a viscous laye	r are called capsule	()	
		sed of only two parts,	basal body and hook	()	
	Stalk bacteria have			. ()	
			at they have movement		
5-	Nuclear region are a	associated with bacteri	al cytoplasmic membr	ane ()	
The fifth question: Choose the correct answer(10 marks)					
			se fat content-increase		
	- Tyrosin - lysine).				
			Teichoic acid - Rhibo		
	Bacterial cell wall gives the cell shape which is (flexible- mocoid- hard)				
	Cytoplasm is a liquid water content ranging from (70-80-10-80-90%-40-50%)				
	Episomes are parts of (DNA- RNA- pilli- capsule)				
			capsule-cytoplasm-flag		
8-	All parts located ins	ide the cell wall is kno	own as (cytoplasm-cap	sule- protoplast)	
			eria(plasmid -Episom		
<u>10-</u>	Animal phage and plant phage are similar in (shape-nucleic acid- structure)				

With Best Wishes, of.Dr. Husain El-Fada

Prof.Dr. Husain El-Fadaly

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