

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT

 2^{ND} YEAR 2^{ND} SEMESTER 2018/2019 ACADEMIC YEAR

KISUMU CAMPUS

COURSE CODE: HCD 3226

COURSE TITLE: MEDICAL BACTERIOLOGY

DATE: 14/08/2019 EXAM SESSION: 2.00 – 4.00 PM

TIME: 2.00 HOURS

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Instructions:

- 1. Answer all questions in section A and any two from section B
- 2. Candidates are advised not to write on the question paper.
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

Section A: Answer ALL Questions (Total 30 marks)

b. Prevention and control of plaque

Se	ction A: A	nswer ALL Questions (Total 30 marks)		
1.	1. Define the terms prokaryotes and eukaryotes and state any three distinguishing characteri			
	between tl	ne two groups.	(5 mks)	
2.	What is a	communicable disease? Give 2 examples of bacterial diseases, naming	the causative	
	organism	in each case.	(3 mks)	
3.	3. Describe 3 fundamental bacterial shapes giving an example in each case and the disea			
	causes in l	numan.	(6 mks)	
4.	Describe t	Describe two complications of an inadequately treated streptococcal infection (4 mks)		
5.	Briefly explain three methods that can be used in diagnosis of Pulmonary tuberculosis			
			(6 mks)	
6.	Define the	e following terms		
	a.	Multi-drug resistant tuberculosis	(1 mk)	
	b.	Extensively drug resistant tuberculosis	(1 mk)	
7.	State any to	wo bacterial organelles describing their function	(4mks)	
	(4)			
4. Section B: Answer ANY TWO Questions (Total 40 marks)				
1.	Discuss th	e following giving an example in each case:		
	a.	How bacterial diseases are transmitted from one person to another	(10mks)	
	b.	Mechanisms employed by bacterial pathogens to cause diseases	(10mks)	
2.	Discuss the following;			
	a.	Prevention and control strategies that could be employed to curb sprea	ad of	
		Staphylocal infections as an issue of public health concern.	(10mks)	
	b.	Prevention and control measures that can be put in place to prevent the	e spread of	
		mycobacterial infections.	(10mks)	
3.	3. Discuss the following:			
	a.	Pathogenesis of Neisseria Gonorhea.	(10 mks)	
	b.	Temperature as a bacterial growth reguirement, its importance in publ	lic health and	
	, C	how the same can be used to control bacterial diseases.	(10mks)	
4.	Discuss			
1	a.	The pathogenesis and classification of plaque in human	(15 mks)	
	h	Prevention and control of plague	(5 mks)	

(5 mks)