



FEDERAL UNIVERSITY OF TECHNOLOGY,

SCHOOL OF LIFE SCIENCES

FIRST SEMESTER EXAMINATION, 2018/2019 SESSION

COURSE: INTRODUCTION TO MICROBIOLOGY I

COURSE CODE: MCB 211 (2 units)

INSTRUCTIONS: Answer Any **THREE** Questions. All Question carry equal marks

TIME: 1½ Hours

- 1(a). Draw a well labelled bacteria structure.
- 1(b). In a tabular form, list the function and chemical composition, of five listed part in (a) above
2. Write short note on any five of the following:
 - i. Ecology
 - ii. Environment.
 - iii. Niche
 - iv. Amensalism
 - v. Commensalism
 - vi. Mutualism
 - vii. Limiting Factor.
- 3(a). Define the following: (a) Microbiology (b) Microorganisms
 - (b) Microorganisms can be classified into three (3) group namely;
 - (c) Write the Koch's postulate.
- 4(a). Who is the is the father of Microbiology and name three (3) of his contributions

- (b) Write short note on *Parakaryon myojinensis*
- (c) List five (5) importance of Microbiology to man

5(a). Fill in the table with appropriate statement

S/NO.	NAMES MICROORGANISMS	OF	ROLES
1	<i>Streptomyces griseus</i>	-----	
2	<i>Bacillus megatherium</i>	-----	
3	<i>Taxomyces</i> spp	-----	
4	<i>Burkhoderia cepacian</i>	-----	
5	-----		Tularemia
6	-----		Q fever
7	-----		Syphilis
8	-----		Tinea
capitis			
9	-----		
	Histoplasmosis		
10	-----		Typhoid fever
11	<i>Nitrococcus</i> spp	-----	
12	<i>Penicillium patulum</i>	-----	

13 *Puccinia chondrillina* -----

14 *Cyanophyta nostoc* -----

15 *Ascophyllum* spp -----

5(b). Why would you resent being a microbiologist?