

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA DEPARTMENT OF MICROBIOLOGY FIRST SEMESTER EXAMINATION, 2017/2018 SESSION COURSE TITLE: GENERAL MICROBIOLOGY (MCB 311), 3UNITS

INSTRUCTIONS: ANSWER ALL THE QUESTIONS IN BOTH SECTIONS TIME: 11/2 Hours

Section A

- 1(a). Define pure culture
- 1(B). Give 2 examples each of a general purpose medium, a differential medium and a selective medium for culturing bacteria
- 2(a). With a relevant diagram, describe the life cycle of a named bacterium
- 2(b). If the objective lens of a microscope has a magnification of 100x, what is the total magnification of the microscope?
- 3. In a tabular form give 5 differences between Gram positive and Gram negative bacteria and give an example of each?

Section B. Answer all the questions by filling in the gap with terms that are most appropriate.

On the basis of function, culture media can be classified into different types such

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(2).			
(3).			
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(18). The sys	tem of scienti	fic naming		·			
(19). Th	e conder	nser in	a	micro	oscope	helps	
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(20). Microorganisms cannot be seen with the naked eye except with the aid of a