

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA SCHOOL OF LIFE SCIENCES DEPARTMENT OF MICROBIOLOGY

FIRST SEMESTER EXAMINATION 2016/2017 SESSION

COURSE CODE: (MCB 221)

COURSE TITLE: UNITS INTRODUCTION TO MICROBIOLOGY II (3

UNITS)

CLASS: 200 LEVEL

TIME: 30 mins

INSTRUCTIONS: Answer All Questions.

Matriculation Number:

Section A

Name 1-13 and provide a suitable title to Figure 1 and 2.

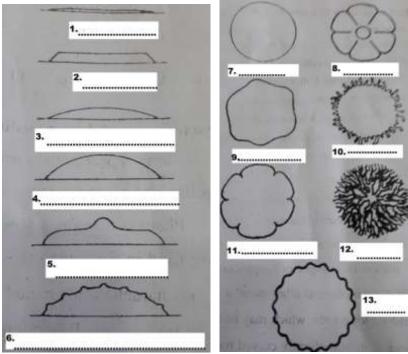


Figure 1 (14)) Fiş	gure 2 (15))	•••••	•••••
Fill in the correct answers	in the blank spaces p	provided (1	16-20)	
Some varieties of culture		ology Lab		-	e (16) (18)
(19)	and (20)				
SECTION B Name;				Mat	No.;
INSTRUCTIONS; Answer all o	questions	Time	A	Allowed:	45
Match the choices from column Column A	B with the appropria	te stateme	nts in	column Z	
Dye repelled by bacteria technique		(a)		Gram	
2. Iodine used3. Developed in 1880s technique				fast tech Simple	-
Carbon fuchsin used technique			(d)	Negative	e stain
5. Uses alcohol decolorizer6. Microorganisms outlined	in stain				
7. Basic dye used					
8. Acid – alcohol decolorize9. All bacteria divided to two					
10. Mycobacterium detected	o Stoube				
Completion; Add the word or	words that best con	mplete eac	ch of	the follo	owing

statements

11. The unit most often used to measure the diameter of viruses is the
12. Whereas a simple microscope has a single lens, a compound microscope
has13. The ability of a microscope to distinguish two closely related points is called
15. The ability of a fincroscope to distinguish two closely related points is called
14.A meter is equivalent to micrometers that
number
16. Among the microorganisms most often studied with the phase contrast microscope are the
17.Two types of electron microscopes are the transfusion electron microscope and the
18.Bacteria and microorganisms must be stained before microscopy because their cytoplasm is usually
19. Those stains that carry a positive charge are referred to as
20. Among the smallest bacteria are three groups known as rickettsiiae, chlamydiae and
SECTION C
INSTRUCTION: Answer all Questions MATRIC. NO.:
Time Allowed: 1Hr
Define the following:
1.Ecology:
2. Niche:
3. Habitat:
4. Limiting factors

5. Extremophile	es species:
	the role of the following organisms in an ecosystem:
7.herbivore:	
	8.carnivore:
	9.omnivore:
	::
11.How many t Goat	trophic levels has this food chain: Man
➤ List three	e elements of aseptic techniques: (12)
, List times	
(13)	(14)
(13)	(14) everal food chains overlap and intersect is called
(13) 15. When se	, ,

7. parasite-host:
8. mutualism:
9. commensalism:
20. cooperation: