



**CRAWFORD UNIVERSITY
FAITH CITY, IGBESA, OGUN STATE**

**2021/2022 RAIN SEMESTER EXAMINATIONS
COLLEGE: NATURAL AND APPLIED SCIENCES
DEPARTMENT: BIOLOGICAL SCIENCES
PROGRAMME: MICROBIOLOGY**

**COURSE CODE: MCB 206
COURSE UNIT: 3**

**COURSE TITLE: GENERAL MICROBIOLOGY II
INSTRUCTION : ANSWER ALL QUESTIONS IN SECTION AND ANY OTHER
THREE IN SECTION B**

SECTION A

1a. Define the following terms:

(i) Systematics (ii) Taxonomy (iii) classification (iv) Nomenclature (v) Taxonomic hierarchy

b. The domain system was proposed by -----

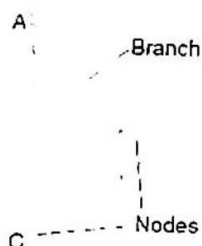
ii. LUCA means-----

iii. What are the three domains of life----- and -----

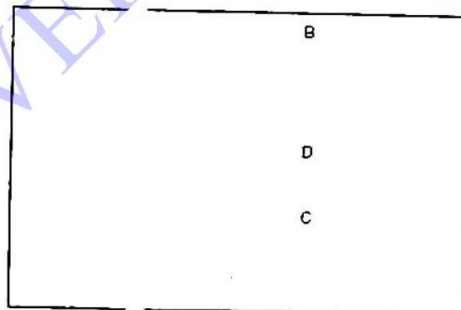
iv. The evolutionary model of phylogeny is based on three characteristics-----,----- and -----

v. -----is a graph made of branches that connect nodes. The nodes represent -----

vi Name, compare and contrast figures 1a and 1b



B



Complete the table below

S/N	Property	Bacteria	Archaea	Eucarya
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

SECTION B.

1. Discuss the phenetic classification system
- b. List two applications of phenotypes in taxonomy and systematics (10mks)

2. With the aid of appropriate diagrams describe bacterial division
- b. With the aid of an appropriate diagram, discuss bacterial growth curve (10mks)

2. Discuss the control of microorganisms (10mks)

3. Explain the following terms:
(i) Sterilization (ii) Germicide (iii) Disinfection (iv) chemotherapy (v) prophylaxis (vi) Chemotherapy (vii) Bacteriostatic (viii) Bacteriocidal (ix) Sterilant (x) Disinfectant (10mks)

5. Discuss the structure and general characteristics of fungi (10mks)

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