DECEMBER 2023 EBS 311 GENERAL BIOLOGY THEORY III 2 HOURS

Candidate's Index Number	
Signature:	

## UNIVERSITY OF CAPE COAST COLLEGE OF EDUCATION STUDIES SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION FOUR-YEAR BACHELOR OF EDUCATION (B.ED) THIRD YEAR, END-OF-SECOND SEMESTER EXAMINATION, DECEMBER 2023

15<sup>TH</sup> DECEMBER 2023

GENERAL BIOLOGY THEORY III

2:00 PM - 2:30 PM

This paper consists of two sections, A and B. Answer ALL the questions in Section A and TWO questions from Section B. Section A will be collected after the first 30 minutes.

## SECTION A (20 MARKS)

Answer ALL questions in this Section.

Items 1 to 20 are stems followed by four options lettered A to D. Read each item carefully and circle the letter of the correct or best option.

cir	cie the	e letter of the correct or best option.
1.	A. B. C.	Chequer board used to show the results of random crossing was suggested by  Bennett.  Darwin.  Mendel.  Punnette.
2.	A.	del entered an Augustinian in 1843 at the of 21. cathedral church ministry monastery

- 3. Mendel presented his works in Natural History Society in .....
  - A. America.
  - B. Brunn.
  - C. Germany.
  - D. Soviet Union.

4.	A. budding. B. fission. C. multiple fission. D. vegetative propagation.
5.	Since asexual reproduction rarely involves meiosis the offspring are usually to each other.  A. antagonistic B. different C. identical D. mutualistic
6.	What is the base on which the parts of a flower sit?  A. Fallopian tube B. Placenta C. Sepal D. Thalamus
7.	What is a stolon?  A. Long vertical leaf  B. Long vertical stem  C. Swollen fibrous root  D. Swollen vertical root
8.	Which one of these may you take to be a runner?  A. Lateral stem on the soil surface B. Swollen tip of slender rhizome C. Slender vertical root D. Underground horizontal branches
9.	In cases where the excretory system is closely associated with the reproductive system, the two systems are traditionally known as system.  A. excrerepro  B. excreto-reproductive  C. reprodo-excreto  D. urinogenital
10.	The singular of vasa efferentia is
11.	The sperm is carried in the

12.	Oogenesis is the process of egg
13.	Human beings can be categorized as  A. autotrophs. B. heterotrophs. C. parasites. D. saprophytes.
14.	Tiny pores present on the surface of leaves through which gaseous exchanges occur are
15.	During photosynthesis, plants take  A. CO <sub>2</sub> and release O <sub>2</sub> .  B. CO <sub>2</sub> and do not release O <sub>2</sub> .  C. O <sub>2</sub> and release CO <sub>2</sub> .  D. O <sub>2</sub> and do not release CO <sub>2</sub> .
16.	The breakdown of complex components of food into simpler substances is called  A. appetite. B. assimilation. C. digestion. D. malnutrition.
17.	The of <i>Oreochromis niloticus</i> is the Fosu lagoon in Cape Coast.  A. biosphere B. habitat C. population D. succession
18.	Which one of these is an abiotic component?  A. Cockroach  B. Frog  C. Snake  D. Water
19.	Colonies of nitrogen-fixing bacteria are located on
20.	Human ear is <b>most</b> sensitive to noise in which of the following frequency ranges?  A. 1-2 Hz B. 10-12 Hz C. 13-16 Hz D. 100-150 Hz