MARCH 2021 EBS 114 GENERAL BIOLOGY THEORY 1 2 HOURS

Candidate's	Index	Number

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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) FIRST YEAR, END-OF-FIRST-SEMESTER EXAMINATION, MARCH2021

MARCH 22, 2021

GENERAL BIOLOGY THEORY 1

9:00 AM - 9:30 AM

This paper consists of two sections, A and B. Answer all the questions in Section A and TWO questions in Section B. Section A will be collected after the <u>first 30 minutes</u>.

SECTION A Answer all the questions in this section

For items 1 to 20, each stem is followed by four options lettered A to D. Read each item carefully and circle the letter that corresponds to the correct or best option.

- 1. Which one of these is the correct way of writing the scientific name of flamboyant?
 - A. Delonix regiae.
 - B. Delonix regiae.
 - C. Delonix Regiae.
 - D. delonix regiae.
- 2. Which of the following consists of prokaryotic cells?
 - A. Archaea and fungi.
 - B. Archaea and bacteria.
 - C. Bacteria and fungi.
 - D. Protists and animals.
- 3. A disease that is constantly present in a population is described as...
 - A. endemic.
 - B. epidemic.
 - C. pandemic.
 - D. re-emerging.

5.	Frogs belong to what Order? A. Anura.
	B. Apoda.
	C. Caudata.
	D. Urodela.
6.	The stalk of a leaf is known as the
	A. lamina.
	B. petiole.
	C. rachis.
	D. stipule.
7.	Cells of the contain chloroplasts.
	A. epidermis
	B. mesophyll
	C. stomata
	D. vascular tissue
8.	Plant regions of continuous growth are made up oftissue
	A. dermal
	B. meristematic
	C. permanent
	D. vascular
٥	The energy support of his calls in
Э.	The energy currency used by cells is A. ADP
	B. Adenosine
	C. AMP
	D. ATP
	D. All
10.	What occurs during the second half of glycolysis?
	A. ATP is made.
	B. ATP is used up.
	C. Fructose is split in two.
	D. Glucose becomes fructose.

D. re-cycle carbon and inorganic minerals by the process of decomposition.

4. Why are fungi important decomposers? They...A. can grow in many different environments.

B. produce many spores.C. produce mycelia.

 2. Which of the following fermentation methods can occur in animal skeletal muscles? A. Alcohol. B. Lactic acid. C. Mixed acid. D. Propionic acid.
 3. Water moves via osmosis—————————————————————————————————
14. The principal force driving movement in diffusion is theA. concentration gradient.B. membrane surface area.C. particle size.D. Temperature.
 What problem is faced by organisms that live in freshwater? A. Only salt water poses problems for animals that live in it. B. Their bodies tend to lose too much water to their environment. C. Their bodies tend to take in too much water. D. They have no way of controlling their toxicity.
16. The fertilized ovule gives rise to the
 17. Plant species that complete their life-cycle in one season are known as A. annuals. B. biennials. C. perennials. D. polycarpic.

1. What is removed from pyruvate during its conversion into an acetyl group?

A. ATPB. B vitaminC. Carbon dioxide

D. Oxygen

18. Which female organ has an endometrial lining that will support a developing baby?
A. Breast.
B. Labia minora.
C. Ovaries.
D. Uterus.
19. What is the sex cell of the male mammal?

- - A. Oocyte.
 - B. Ovule.
 - C. Ovum.
 - D. Sperm.
- 20. What is the sex cell of the female mammal?
 - A. Sperm.
 - B. Spermatocyte.
 - C. Spermatozoon.
 - D. Ovum.