

OCTOBER 2023  
EBS 159/159 J  
NATURAL ENVIRONMENT  
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)  
FIRST YEAR, END-OF-SECOND SEMESTER EXAMINATION, SEPTEMBER/OCTOBER 2023

5<sup>TH</sup> OCTOBER 2023

NATURAL ENVIRONMENT

3:00 PM – 3:30 PM

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

SECTION A  
(20 MARKS)

Answer ALL the 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.

1. Which of the following land use theories was said to be promoting racism? Environmental .....

  - A. adaptation
  - B. determinism
  - C. possibilism
  - D. probabilism

2. All the following are primary consumers **except** .....

  - A. Elephant.
  - B. Lion.
  - C. Locust.
  - D. Sheep.

3. It is the fifth planet and biggest of all the planets, hence it is labelled "Land of the Heavens". Which of these is referred?

  - A. Jupiter
  - B. Mars
  - C. Saturn
  - D. Uranus

4. A community showing the relationship between living things and non-living things is **best** described as .....
  - A. atmosphere.
  - B. biosphere.
  - C. ecology.
  - D. ecosystem.
  
5. To address the problem of global climate change, people should be advised to .....
  - A. check weather records.
  - B. engage in responsible fishing.
  - C. plant more trees.
  - D. use cfc products.
  
6. The type of ecosystems which has high species diversity of abundant flora and fauna with relatively high amount of rainfall is referred to as ..... ecosystem.
  - A. desert
  - B. forest
  - C. grassland
  - D. mountain
  
7. Natural resources are distinguished by the following characteristics **except** .....
  - A. dynamic.
  - B. functional.
  - C. gift of nature.
  - D. rigid.
  
8. Which of the following examples of resources **cannot** be replaced after it has been exhausted?
  - A. Gold
  - B. Ocean water
  - C. Solar energy
  - D. Wind
  
9. All the following are human factors that affect the sustainable use of land as a natural resource **except** .....
  - A. bush fires.
  - B. deforestation.
  - C. drought.
  - D. population pressure.
  
10. Organisms of the same kind which have the potential to interbreed and produce off springs capable of reproduction are called .....
  - A. bacteria.
  - B. predators.
  - C. saprophytes.
  - D. species.
  
11. The following are ways through which carbon dioxide is lost in the environment **except** through .....
  - A. excretion.
  - B. leaching.
  - C. photosynthesis.
  - D. respiration.

12. The movement of the whole body by living things from one place to the other is known as .....
- A. bodily movement.
  - B. growth.
  - C. locomotion.
  - D. sensitivity
13. One of the importance derived from green plants as part of the natural environment is .....
- A. absorption of carbon dioxide from the atmosphere.
  - B. absorption of ultra-violet radiation from the sun.
  - C. limitation of oxygen for humankind.
  - D. provision of natural gas for use..
14. Which of the following statement is **false**? The .....
- A. earth rotates from west to east.
  - B. earth rotates through 15° of longitude in an hour.
  - C. earth's rotation causes the season.
  - D. earth's rotation causes winds to be deflected.
15. Which of the following statements is **not true**?
- A. Energy flows through the ecosystem in the form of C-C bonds.
  - B. Energy is recycled in an ecosystem.
  - C. Inorganic nutrients are recycled in an ecosystem.
  - D. Respiration process releases energy.
16. Which one of the following is an abiotic component of the ecosystem?
- A. Bacteria
  - B. Fungi
  - C. Humus
  - D. Plants
17. Which of these elements is **not** needed by green plants to synthesize their food?
- A. Mineral salt
  - B. Oxygen
  - C. Solar energy
  - D. Water
18. Which of the following is **not** a type of rainfall? ..... rainfall
- A. Convectional
  - B. Frontal
  - C. Orographic
  - D. Precipitation
19. Which body in Ghana is mainly responsible for the protection of water bodies from pollution?
- A. Environmental Protection Agency
  - B. Ghana Meteorological Service
  - C. Ghana Standard Board
  - D. Ghana Water Company
20. Sunlight is an example of natural resources .....
- A. inexhaustible
  - B. non-renewable
  - C. recyclable
  - D. renewable