

SEPTEMBER 2022
EBS 159/159J
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, AUG/SEPT. 2022

SEPTEMBER 2, 2022 NATURAL ENVIRONMENT 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 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 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
2. All the following are primary consumers **except**
3. Which of the following is a greenhouse gas?
4. Which of these personalities was known to have popularized the concept of environmental determinism in America?

5. Which of the types of rainfall below is associated with thunderous activities?
 - A. Convectional.
 - B. Frontal.
 - C. Line squall.
 - D. Relief.

6. It is the fifth planet and biggest of all the planets, hence it's labelled "Land of the Heavens". Which of these is being referred to?
 - A. Jupiter.
 - B. Mars.
 - C. Saturn.
 - D. Uranus.

7. The downfold part of a fold mountain is also called
 - A. anticline.
 - B. climax.
 - C. crest.
 - D. syncline.

8. 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.

9. Chlorofluorocarbons (CFCs) are contaminants of air found in
 - A. aeroplanes and air conditioners.
 - B. air conditioners and refrigerators.
 - C. cars and refrigerators.
 - D. smoke and exhaust fumes.

10. SIAL and SIMA are terminologies associated with which of the following?
 - A. Atmosphere.
 - B. Barysphere.
 - C. Lithosphere.
 - D. Mesosphere.

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 statements is **false**?
- A. The earth rotates from west to east.
 - B. The earth rotates through 15° of longitude in an hour.
 - C. The earth's rotation causes the season.
 - D. The earth's rotation causes winds to be deflected
15. All the following are types of a plain **except** plain.
- A. Arabian
 - B. depositional
 - C. emergent
 - D. erosional
16. 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.
17. Which one of the following is an abiotic component of the ecosystem?
- A. Bacteria.
 - B. Fungi.
 - C. Humus.
 - D. Plants.
18. A trophic level refers to
- A. an organism's portion in a food chain.
 - B. an organism's position in a biome.
 - C. an organism's position in an ecosystem.
 - D. area in the tropics.
19. Which of these elements is **not** needed by green plants to synthesize their food?
- A. Mineral salt.
 - B. Oxygen.
 - C. Solar energy.
 - D. Water.
20. The food chain in which microorganisms' breakdown dead producers is called food chain.
- A. consumer
 - B. detritus
 - C. parasitic
 - D. predator