

SEPTEMBER 2023
EBS 159/159 J
NATURAL ENVIRONMENT
30 MINUTES

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, SECOND SEMESTER MID-SEMESTER QUIZ, SEPTEMBER 2023

27TH SEPTEMBER 2023 NATURAL ENVIRONMENT 5:30 PM – 6:00 PM

Answer ALL the questions.
[20 MARKS]

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 is the **correct** sequence of the components of the earth's structure?
 - A. Atmosphere, mantle, core, crust
 - B. Core, mantle, crust, atmosphere
 - C. Crust, core, mantle, Atmosphere
 - D. Mantle, core, atmosphere, crust
2. The lower layers of the earth's Crust is made up of
 - A. Nife and Sial.
 - B. Sial and Sima.
 - C. Sima and Alumina.
 - D. Sima and Nife.
3. Which of the following is an important raw material for the manufacture of cement?
 - A. Chalk
 - B. Clay
 - C. Limestone
 - D. Sandstone
4. The chemical composition of the earth's core is
 - A. Alumina and magnesia.
 - B. Iron and nickel.
 - C. Iron and silica.
 - D. Nickel and alumina.

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

6. Which of the following rock type is used as raw material for the manufacture of Plaster of Paris (Pop)?
 - A. Andesite
 - B. Granite
 - C. Gypsum
 - D. Porphyries

7. Which of the following planets has three flat circular rings around it's middle?
 - A. Jupiter
 - B. Mercury
 - C. Neptune
 - D. Saturn

8. Which one of the following has the largest population in a food chain?
 - A. Decomposers
 - B. Primary consumers
 - C. Producers
 - D. Secondary consumers

9. 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.

10. The organisms which feed on dead organisms and excreta of living organisms are known as
 - A. carnivores.
 - B. consumers.
 - C. decomposers.
 - D. producers.

11. The atmospheric conditions are mostly found in the
 - A. mesosphere.
 - B. stratosphere.
 - C. thermosphere.
 - D. troposphere.

12. Which of the following is an autotroph?
 - A. Cassava
 - B. Goat
 - C. Human being
 - D. Worm

13. The mantle is separated from the core by a discontinuity called discontinuity.
 - A. Gutenberg
 - B. Mohorovicic
 - C. Yugoslavic
 - D. Zugoslavic

14. Lunar eclipse occurs when
- A. the earth comes between the sun and the moon.
 - B. the moon comes between the sun and the earth.
 - C. there is a total darkness in the night.
 - D. there is total darkness in the penumbra.
15. Which of the following pairs of rocks are metamorphic?
- A. Basalt and granite
 - B. Gneiss and basalt
 - C. Gneiss and quartzite
 - D. Granite and dolomite
16. During the Revolution of the earth, the earth is tilted at an angle of degrees.
- A. 22.5
 - B. 23.5
 - C. 45.5
 - D. 55
17. Which of the following statements is **false**? The
- A. earth rotates from west to east.
 - B. earth rotates through 150 of Longitude in an hour.
 - C. earth's rotation causes the season.
 - D. earth's rotation causes winds to be deflected.
18. Which of the following is not a type of rainfall? rainfall
- A. Convectional
 - B. Frontal
 - C. Orographic
 - D. Precipitation
19. The rock type that is stratified is referred to as rock.
- A. changed
 - B. igneous
 - C. metamorphic
 - D. sedimentary
20. The term "tundra" most commonly denotes areas.
- A. equatorial
 - B. polar
 - C. temperate
 - D. tropical