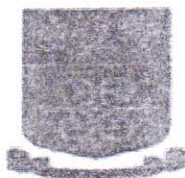


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DEPARTMENT OF TEACHER EDUCATION

SCHOOL OF EDUCATION AND LEADERSHIP

COLLEGES OF EDUCATION

END OF YEAR TWO SEMESTER TWO EXAMINATIONS, 2020/2021

B.ED. PROGRAMME
COURSE CODE: TEEG 214

COURSE TITLE: EARLY GRADE INTEGRATED SCIENCE 1

Instruction: Answer all questions in Section A and any three in Section B.

Time: 2 hours

SECTION A

[20 Marks]

Answer all the questions in this section.

1. Measurement plays an important role in all the following except
 - A. discovery of laws
 - B. preparation of bills
 - C. research work
 - D. none of the above
2. The life cycle of living things can be summarized as follows:
 - A. birth, growth, reproduction and death

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- B. copulation, fertilization, gestation and birth
 - C. egg, larva, pupa and imago
 - D. metabolism, energy, reproduction and growth
3. Criteria for differentiating living things from non-living things are the following except...
- A. ability to adapt to their environment.
 - B. ability to grow and develop.
 - C. they are made of one or more cells.
 - D. they expire.
4. It is the universal system of measurement, standardized and used by scientists worldwide.
- A. Customary System Units
 - B. Imperial System Units
 - C. Metric System Units
 - D. S.I. Units
5. The early grade science curriculum is developed to suit the following developmental stages of Jean Piaget except
- A. concrete operational
 - B. formal operational
 - C. pre-operational
 - D. sensori-motor
6. A quantity that can be measured by either an instrument or calculation is a quantity.
- A. fundamental
 - B. physical
 - C. scalar
 - D. vector
7. Which one of the following is the **odd** one out?
- A. Axis
 - B. Latitude
 - C. Longitude
 - D. Orbit
8. Which of the following human activities causes Global Warming?
- A. Burning of fossil fuel

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- B. Deforestation
 - C. Dumping of toxic waste in landfill sites
 - D. Illegal mining
9. The following are layers of the atmosphere **except**
- A. lithosphere
 - B. mesosphere
 - C. stratosphere
 - D. thermosphere
10. When limestone is metamorphosed it changes to
- A. marble
 - B. sandstone
 - C. shale
 - D. slate
11. Which one of the following quantities is not a fundamental quantity?
- A. Electric current
 - B. Light intensity
 - C. Power
 - D. Temperature
12. Which one of the following is not a type of plant?
- A. Climbing plant
 - B. Creeping plant
 - C. Fibrous root
 - D. Shrub
13. The S.I. unit for absolute temperature is
14. All the following are the zones of the earth **except**
- A. barysphere
 - B. biosphere
 - C. hydrosphere
 - D. lithosphere
15. Properties of matter that scientists measure are known as quantities.

16. The act of assigning numbers or some symbols to the characteristics of objects is
17. In stating objectives for a lesson, the teacher should consider the following except....
- A. background of the pupils
 - B. intellectual level of the pupils
 - C. skills and attitudes of the pupils to be developed
 - D. teaching and learning resources
18. Anabolic and catabolic reactions are forms of metabolism that take place in living things.
- A. False
 - B. True
19. Living things have no lifespan and are immortal.
- A. False
 - B. True
20. Suitable designed activities help early pupils to develop manipulative skills as well as creativity.
- A. False
 - B. True

SECTION B

Answer three questions in all; question one and any two (2) questions

1. a. Differentiate between living and non – living things. [6marks]
- b. Describe any three (3) criteria for differentiating between living and non – living things. [9marks]
- c. Briefly describe the formation of day and night of the earth. [4marks]
- d. State any three (3) importance of S.I. unit. [6marks]
2. a. Explain any two (2) different uses each for plants and animals. [8marks]
- b. Mention any two (2) quantities and their units each for scalar and vector quantities. [4marks]
- c. State any three (3) of the four (4) primary psychosocial tasks a child must accomplish in learning. [3marks]

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3. a. State any three (3) differences between plants and animals. [3marks]
- b. Explain Jean Piaget's four (4) Cognitive Developmental stages in children and their age span. [8marks]
- c. discuss any two (2) effects of global warming. [4marks]
4. a. Briefly describe the internal structure of the earth. [4marks]
- b. Briefly explain five (5) important characteristics of all living things. [5marks]
- c. Explain the term "Physical Quantities" and give four. [6marks]
5. a. State any two (2) important difficulties the S.I. unit has overcome in measurement. [2marks]
- b. Briefly describe the zones in the atmosphere. [10marks]
- c. State the three (3) domains of science educational objectives. [3marks]