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UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND
CONTINUING PROFESSIONAL DEVELOPMENT
(ITECPD)



END-OF-SECOND-SEMESTER EXAMINATIONS. JAN., 2023

LEVEL 200

COURSE CODE: EGS 246

COURSE TITLE: EARLY GRADE SCIENCE II

TIME ALLOWED: 50 MINUTES

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- This paper is made up of ONE SECTION.
- Section B is made up of four essay type questions.
- Answer TWO questions into your answer booklet.
- Each question carries equal marks. You are expected to start each question on a new page.
- You are expected to handover your answer booklet to the invigilator before you leave the examination hall.

SECTION B

- (a). During STS observation, class 3 pupils wanted to know if indeed sunlight is necessary for photosynthesis. Describe an activity that you would use to demonstrate to them that sunlight is necessary for photosynthesis **7 marks**
 - (b). State two importance of photosynthesis to living organisms. **3 marks**
- (a). State two cross cutting issues you are likely to address when you use demonstration lesson to teach the concept 'Food' **2 marks**
 - (b). Copy and complete the table below:

Function	Major Nutrients	Example of Food
Body building	I Protein	Meat, legumes
Energy giving foods	II Carbohydrates	IV Sugar, Cassava
III protective food	Minerals and vitamins	Fruits and vegetables

8 marks

Watch

3. (a) How will you assist Basic 3 learners to identify **four** uses of solar energy? **6 marks**

(b) State the function of the following components used in electronic circuit

i. Capacitors

ii. Resistors

iii. Diodes.

iv. Key

initial electrical circuit
4 marks

4. (a) Explain the term 'Assessment for Learning' and state two reasons for its use during teaching and learning of early grade science. **4 marks**

(b) List three electronic gadgets and state one benefit of each to an early grade pupil.

end of term during lesson
6 marks

*Special educational needs
Equity
Equality*

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