



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



END-OF-SECOND SEMESTER EXAMINATIONS, DECEMBER, 2023

LEVEL 300

COURSE CODE: PBI361

COURSE TITLE: PREPARING TO TEACH UPPER PRIMARY SCIENCE

TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

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GENERAL INSTRUCTIONS:

- This paper is made up of ONE SECTION.
- The Section is made up of five essay type questions.
- Answer any THREE questions in your answer booklet.
- Each question carries equal marks. You are expected to start each question on a new page.
- You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.

Instruction: Answer any three (3) questions in the answer booklet provided.

- Q1a.** A rim of a motor bike got heated when the brakes were applied to slow down. State the source(s) of heat involved in the process. (2 marks)
- b.** Conduct an activity with a primary four (4) child to show conduction in metals. (12 marks)
- c.** Give three (3) events of everyday life which involve Convection Current of Heat. (6 marks)
- Q2a.** State and explain the Law of Magnetism. 3 (3 marks)
- b.** Explain the following terms with examples. 6
- i. Natural Magnet
 - ii. Ferromagnetism
 - iii. Non-magnetic substances (9 marks)

c. In your magnet lesson in Basic Five Class, discuss four (4) characteristics you observed with a bar magnet. (8 marks) 4

Q3a. Discuss three (3) economic benefits of mosquito. (6 marks) 4

3b. Using a well labelled diagram describe the life cycle of mosquito. (10marks) 4

3c. What are the four (4) methods you can recommend to upper primary learners to control mosquitoes in their environment. (4 marks) 12

Q4a. Explain to your Basic Six (6) learners the meaning of the following terms:

i. Ingestion

ii. Digestion

iii. Assimilation

iv. Egestion

v. Peristalsis

(10 marks)

4b. Give the basic function(s) of the following digestive organs:

i. The liver

ii. The Pancreas

iii. Intestinal wall

(6 marks)

4c. How would you explain the processes of Absorption and Assimilation through a practical activity? (4 marks)

Q5a. With the aid of local materials demonstrate Inhalation and Exhalation in humans. (4marks)

5b. Describe four (4) disorders or problems associated with the human respiratory system. (12 marks).

5c. State four (4) parts of the respiratory system of humans and their functions (4 marks)

18
12
13
43
17
20

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