



UNIVERSITY
OF
JOHANNESBURG

<u>FACULTY</u>	: Education
<u>DEPARTMENT</u>	: Childhood education
<u>CAMPUS</u>	: SWC
<u>MODULE</u>	: CNE10A3 – Culture and the Natural Environment
<u>SEMESTER</u>	: One
<u>EXAM</u>	: June 2019 Supplementary Exam

<u>DATE</u>	: June 2019	<u>SESSION</u>	: 08:30-11:30
<u>ASSESSOR(S)</u>	: Mr Naude		
<u>MODERATOR</u>	: Ms Pretorius		
<u>DURATION</u>	: 2 HOURS	<u>MARKS</u>	: 100

NUMBER OF PAGES: 3 PAGES

INSTRUCTIONS:

1. Answer ALL THE QUESTIONS.
 2. Number your answers clearly
 3. Consider the mark allocation of each question as an indication of how much time to spend on each question in order to complete all questions on time.
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QUESTION 1

The nature of science and the use of science process skills are aspects of scientific literacy which is becoming increasingly important in the 21st century. In an essay, not longer than two (2) pages, discuss how you as a foundation phase teacher will incorporate both these aspects of scientific literacy in your lessons.

[20]

QUESTION 2

Global warming is one of the natural phenomena that leads to climate change. Human activity has increased the rate of global warming and has subsequently impacted the environment. In an essay, not longer than two (2) pages, explain how you would teach a lesson on climate change.

[25]

QUESTION 3

You decide to teach a lesson on the topic of 'density' to a Grade 2 class consisting of 37 learners. Design a lesson on the topic that would ensure that all 37 learners are actively engaged throughout the entire lesson. Your answer may be in the form of a lesson plan.

[20]

QUESTION 4

- 4.1 Define photosynthesis. (6)
- 4.2 Using photosynthesis as an example, describe the energy transfer that occurs in this process. (2)
- 4.3 Using biological drawing conventions, make an illustration of the reproductive structure of a flowering plant. (10)
- 4.4 Draw an electrical circuit with the following components:
 - Three (3) Cells.
 - Two (2) lightbulbs connected in series.
 - An open switch. (5)

[20]

QUESTION 5

You decide to take your foundation phase learners on an excursion to assist you in teaching the theme, 'products and processes'. Describe how you would use the excursion to teach this theme. Include the following in your answer:

- The location of the excursion.
- The concepts taught to the learners.
- The activities that the learners will participate in.
- The educational value of the excursion.

[15]

GRAND TOTAL: 100

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