



UNIVERSITY OF JOHANNESBURG
FACULTY OF EDUCATION
NOVEMBER / DECEMBER
SUPPLEMENTARY EXAMINATION 2014

PROGRAMME: B Ed (SENIOR PHASE AND FET PHASE)
MODULE: TEACHING METHODOLOGY AND PRACTICUM 2B:
 NATURAL SCIENCES
CODE: MOSPNB2
TIME: 1 hour
MARKS: 50
EXAMINER: Dr R Grobler
MODERATOR: Dr E Spangenberg
 (This paper consists of 2 pages)

INSTRUCTIONS

Read the following instructions carefully before answering the questions:

1. Questions can be answered in any sequence. Just ensure that you clearly number your answers.

QUESTION 1

- 1.1 Explain the term 'pedagogical content knowledge' (PCK). (5)
 - 1.2 Why is it important for a Natural Sciences teacher to have relevant PCK related to each specific topic in the classroom? (6)
 - 1.3 Give one example of a common misconception in the Natural Sciences classroom and explain how you would assist learners to overcome this misconception. (5)
- (16)**

QUESTION 2

- 2.1 What is assessment? (5)
 - 2.2 Distinguish between informal assessment and formal assessment. (6)
 - 2.3 Give one example to explain each of the above. (4)
- (15)**

QUESTION 3

Design a rubric for assessing the learner's ability to write an experimental report. The learners need to be able to clearly describe the aim and procedure that needs to be followed, the observations/results need to be recorded correctly and the conclusion must be valid and correct. Therefore, you have to use three criteria for learner assessment and describe three levels of achievement. The allocation of marks must be clearly indicated on the rubric.

(19)

You have to use the following template for the rubric:

Criteria	Description of levels of achievement		

TOTAL: 50

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