



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION
UNDERSTANDING ADOLESCENT AND MATURE LEARNERS

PTE5206

General Examination Paper

May 2019

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's name: Irene Mpofu

INSTRUCTIONS

1. Answer any **Four (4)** questions.
2. Each question carries 25 marks
3. Start each question on a fresh page

MARK ALLOCATION

QUESTION	MARKS
1	25
2	25
3	25
4	25
5	25
TOTAL	100

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PTE5206

Question 1

a) Distinguish between the following pairs of terms:

- (i) assimilation and accommodation. [10]
- (ii) scaffolding and zone of proximal development. [15]

b) Compare and contrast the behavioural approach and the humanist approach to motivation. [15]

Question 2

Discuss the pedagogical implications of the human information processing model. [25]

Question 3

Assess the key principles of the constructivist theory learning. [25]

Question 4

Examine the applicability of Pavlov's theory of classical conditioning in the teaching and learning of adolescent and mature learners. [25]

Question 5

- a) Outline Bruner's modes of representation and explain how they can be used to maximise learning. [10]
- b) Explore how one can draw on principles of ragogy to increase the effectiveness of their teaching. [15]

END OF PAPER