



**UNIVERSITY OF JOHANNESBURG**  
**FACULTY OF EDUCATION**  
**NOVEMBER EXAMINATION 2016**

**PROGRAMME:** B Ed Hons  
**MODULE:** CURRENT ISSUES IN SCIENCE EDUCATION  
**CODE:** CIS0027  
**TIME:** 3 hours  
**MARKS:** 100  
**EXAMINERS:** Dr L Mnguni  
 Prof U Ramnarain  
**MODERATOR:** Dr E Gaigher (UP)  
 (This paper consists of **two (2)** pages)

**INSTRUCTIONS**

Read the following instructions carefully before answering the questions:

1. This question paper consists of three (3) questions, each based on a case scenario.
2. Answer all questions.

**QUESTION 1**

- 1.1 Define action research. (2)
- 1.2 What is the significance of action research in science education? (2)
- 1.3 Discuss the different steps involved in action research. (10)
- 1.4 Consider the following scenario and then answer the questions that follow.

*Ms. Edwardo, moved to a school in Johannesburg in 2015 where she teaches Life Sciences and Physical Sciences. She has since observed that Physical Sciences learners perform significantly better than Life Sciences learners. She suspects that this could be due to her teaching style which may not be accommodating learners' preferred learning styles. She decides to do action research to determine the problem.*