

**KARATINA UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**2013/2014 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER EXAMINATIONS**

**SCHOOL OF NATURAL RESOURCE AND ENVIRONMENTAL STUDIES  
FOR THE DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL BIOLOGY**

**COURSE CODE: SES 802**

**COURSE TITLE: RESEARCH METHODS AND FIELD COURSE**

**TIME: 3 HRS**

**INSTRUCTIONS TO CANDIDATES:**

- **SEE INSIDE**

**PLEASE TURN OVER**

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*Inspiring Innovation and Leadership*

## INSTRUCTIONS:

Answer all questions in section A and any two questions in Section B.

### SECTION A: 30 Marks

1. Distinguish between the following in terms:

- i. Basic Research and Applied Research (3 marks)
- ii. Qualitative Research and Quantitative Research (3 marks)
- iii. Research hypothesis and Research question (3 marks)
- iv. References and Bibliography (3 marks)
- v. Experimental Research and non-experimental Research (3 marks)

2. (b). Explain the use of the following tools in data collections

- (i) Interviews (3 marks)
- (ii) Questionnaires (3 marks)
- (iii) Document analysis (4 marks)
- (iv) Laboratory methods (5 marks)

### SECTION B: 30 Marks

**Answer any two questions in this section. All questions carry 20 marks. Illustration and correct procedures will earn you marks even for incorrect answers.**

- 3. Discuss the disseminating research results (15 marks)
- 4 Write a proposal outline leading to a full funding proposal for a research study titled "Challenges of increased electronic technology on environmental health in Kenya" (15 marks)
- 5 Explain how you will prepare scientific reports after conducting field studies (15 marks)

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