



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2008/2009

INSTITUTE OF OPEN LEARNING

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SZL 301: HISTORY AND PHILOSOPHY OF BIOLOGY

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DATE: MONDAY 15TH FEBRUARY 2010

TIME: 11.00 A.M. – 1.00 P.M.

INSTRUCTIONS

Answer ALL Questions from Section A and any ONE Question in Section B.

Within a Section, ALL Questions carry equal marks.

Illustrate your answers with diagrams and give examples wherever appropriate.

SECTION A : Answer ALL Questions (40 marks)

1. Describe the works of Pliny that made him one of the most famous Romanian philosophers.
2. Explain how rational thinking contributed to the beginning of the science of biology.
3. Explain how scientific methods of study differ from other methods of inquiry.
4. Outline the classification of animals developed by Aristotle.
5. Distinguish between embryo and adult DNA cloning.
6. "The dominance of Christianity in the Middle Ages worked against the revival of science for many centuries". Explain this statement.
7. Outline the critical things that happened during the renaissance period (1200-1600 AD).
8. Explain the aim of the science of alchemy.

SECTION B: Answer Any One Question (30 Marks)

9. Discuss some of the key developments that marked the birth of modern biology.
10. Describe the historical development of the science of taxonomy.
11. Outline the merits and demerits of embryo cloning.