



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTE OF OPEN, DISTANCE AND E-LEARNING

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SBT 103: BOTANICAL TECHNIQUES

DATE: Wednesday 6th July, 2011

TIME: 2.00 p.m. – 4.00 p.m.

INSTRUCTIONS

Answer ALL questions in SECTION A and any ONE question in Section B. Answers in SECTION A should be written in the spaces provided in the question paper.

SECTION A – SHORT ANSWER QUESTIONs (TOTAL 40 MARKS)

1. Define or explain:
 - a. Scientific method
 - b. Inoculum
 - c. Herbarium
 - d. Taxon
 - e. Vivarium

4. Explain uses of a computer in biological research.

6. Discuss three causes of errors in laboratory work.

7. Write the formula for numerical aperture.
8. Give the meaning or derivation of the following binomials:

Adansonia digitata

Agave sisalana

Anacardium occidentale

Phytolacca dodecandra

Acacia senegal

SECTION B - ESSAY (30 MARKS)

Write an essay on any one of the following.

1. Writing a laboratory report.
2. Preparation of microscopical slides.
3. Aseptic transfer of microbes.

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