



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF PURE AND APPLIED SCIENCES

DIPLOMA IN SCIENCE LABORATORY TECHNOLOGY
(DSL T 12S)

AAB 2303 : BIOMEDICAL TECHNIQUES MUSEUM TECHNIQUES

SEMESTER: EXAMINATIONS

SERIES: DECEMBER 2013

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

This paper consists of 2 PRINTED pages

Question ONE

- (a) (i) List FOUR various forms of vivarium (2marks)
- (ii) Explain how temperature is maintain in a vivarium (2marks)
- (b) (i) Name tools used for picking plants for herbarium (2marks)
- (ii) Explain how animal health status is monitored in a animal house (2marks)
- (c) Outline the drying treatment process for succulent herbarium plants (4marks)
- (d) (i) Explain the methods used to control perst in a green house (3marks)
- (ii) List methods used for watering plants ins a green house (1mark)
- (e) List the information required when mounting a herbarium specimen (4marks)
- (f) Explain the purpose of ventilation within the green house (4marks)
- (g) (i) Name the advantages of organic manure (3marks)
- (h) List TWO forms used for storing dead plants (1mark)
- (i) State sanitation requirement for animal house (2marks)

Question TWO

- (a) Explain how a vivarium is constructed (8marks)
- (b) Explain the purpose of ventilation in an animal house (7marks)

Question THREE

- (a) Explain the drying process of a herbarium specimen (8marks)
- (b) Describe clinical signs of laboratory animal disease (7marks)

Question FOUR

- (a) Explain the environmental requirements of a green house (7marks)
- (b) Describe the required conditions of laboratory animal room (8marks)

Question FIVE

- (a) Outline measures taken to ensure the quality of laboratory animal food (7marks)
- (b) Explain the storage of mounted herbarium specimen (8marks)