



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN FOOD QUALITY ASSURENCE

ACH 2104 : LABORATORY SAFETY AND MANAGEMENT PAPER 2

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

DATE: Pick Date Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- a) Explain the characteristics of a good laboratory furniture (5marks)
- b) Outline requirements for commissioning the laboratory for use (2 marks)
- c) Outline the procedure for disposing hazardous waste in the lab (4 marks)
- d) Describe the risk levels of biological infection (8 marks)
- e) Describe the role of information technology in the contemporary laboratory. (11marks)

Question TWO

Describe how to handle the following laboratory animals

6marks

- i. Rabbit
- ii. Hamster.
- iii. Rodents (Mice and Rats)

Question THREE

- a) State any Ten (10) general laboratory rules (10marks)
- b). outline hazards associated with batteries and the preventive measure to be taken (5 marks)

Question FOUR

- a) Explain the hazards caused by
 - i. Autoclave (4marks)
 - ii. Centrifuge (4marks)
 - iii. Outline the skills of a laboratory manager (3marks)
 - iv. Explain the storage of laboratory chemicals (4marks)

Question FIVE

- a) Describe any Five (5) laboratory plastic ware (10marks)
- e) Outline the key laboratory quality management processes in the laboratory. (2 marks)
- a) Explain the concept of waste disposal in the laboratory (3marks)

Attachment