



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF PURE & APPLIED SCIENCES
UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ANALYTICAL CHEMISTRY
DAC 16S
ACH 2206 : INDUSTRIAL SAFTY AND STANDARDS
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) Give SIX principles hazards that are associated with electricity. (6marks)
- (b) For each of the following specific agent hazards, explain how they affect the body system
- (i) NH₃ (4marks)
 - (ii) CO (2marks)
 - (iii) Cl (5marks)
- (c) Explain THREE agents that transport biological hazards into the body. (8marks)
- (d) State any FIVE parameters that control the state of health of a person exposed to a toxic substance.

Question TWO

- (a) State TWO types of sound meters. (5marks)

(b) State THREE types of ionizing radiations and state their approximate mass, charge and penetrating power. (6marks)

(c) Give TWO requirements of risk assessment. (4marks)

Question THREE

(a) Give the meaning of the following terms. (i) Disaster, (ii) Natural disaster. (iii) Man- made disaster. (10marks)

(b) Define (i) Generic risk assessment. (3marks)

(ii) Qualitative risk assessment (2marks)

Question FOUR

(a) State FOUR benefits of an employer for providing sound information and training to employee. (8marks)

(b) Give THREE failures of a manager or supervisor in his/her area of supervision. (6mark)

(c) Define the term Risk. (1marks)

Question FIVE

(a) State SIX reasons why training in health and safety is done. (12marks)

(b) Define the following terms (i) Hazard (ii) Toxic substance. (3marks)