



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DEGREE IN ENVIRONMENTAL HEALTH
FINAL EXAMINATION PAPER 2019

- TITLE OF PAPER** : STANDARDISATION AND QUALITY
MANAGEMENT SYSTEMS
- COURSE CODE** : EHS 460
- DURATION** : 2 HOURS
- MARKS** : 100
- INSTRUCTIONS** :
- : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
 - : ANSWER SECTION (A) AND ANY OTHER (3)THREE QUESTIONS
 - : EACH QUESTION CARRIES 25 MARKS.
 - : WRITE NEATLY & CLEARLY
 - : BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.

Section A - General (Compulsory)

Question 1

a) Discuss the following benefits of standards:

- i) Standards enable interoperability
- ii) Standards reduce technical barriers to trade
- iii) Give customer confidence (15)

b) Explain the first quality principle and any other quality principle of your choice. Include activities that one could perform to fulfill requirements of the principles. (10)
(25 marks)

Section B – Quality Management Systems (QMS)

Question 2

With an aid of an example, illustrate how you will achieve your quality objectives. (25 marks)

Question 3

You work as a quality coordinator at a bottled water production company. As you do your daily quality evaluation you realize that the 500mL water bottles are weighing between 450g – 500g. The legal requirement for weights specifies that products must not weigh less than the weight indicated in packaging.

Identify the Nonconformity and solve it. Tip: Control of nonconforming outputs. (25 marks)

Section C – Food Safety Management Systems (FSMS)

Question 4

- i) What are the responsibilities of a food safety team leader? (8)
 - ii) How would you ensure that food safety objectives are suitable for the FSMS. (10)
 - iii) A traceability system must be able to uniquely identify incoming material from the suppliers and the first stage of distribution route of the end product. What are the 3 minimum features of the traceability system that you would ensure are covered as minimum as you establish and implement the traceability system? (6)
 - iv) What is the minimum retention period for traceability records? (1)
- (25 marks)

Section D – Occupational Health and Safety (OHS)

Question 5

You work as a health and safety officer. You have an incident with a machine that is caused by a guard not being in place. Use your corrective action system to improve on your health and safety system. **(25 marks)**

The end

Total marks: 100