



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied and Health Sciences

Department of Environment & Health Sciences

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH

BSEH 16J/YEAR 3/SEMESTER 2

AEH 4304: DRAINAGE AND CONSERVANCY

SPECIAL/ SUPPLIMENTARY EXAMINATIONS

SERIES: SEP 2018

TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE

I. Define the following terminologies as used in drainage and conservancy

- (a) Drain
- (b) Fitments
- (c) Soil water
- (d) Latrine
- (e) Soakage pit (10 mrks)

II. (a) List 10 reasons for excreta disposal (5 mks)

(b) Differentiate between a sink and a lavatory basin (WHB) (5 mks)

III. (a) Describe briefly three types of urinals (5 mks)

(b) Give all classifications of jointing of pipes as in drainage system (5 mrks)

QUESTION TWO

It is important for testing any drain system after the plumbing works is completed. Referring to this statement, explain all the relevant assessments and test done to drainage systems (20 mrks)

QUESTION THREE

Conservancy use has not got a big breakthrough to some communities due to their culture and traditions. Discuss and qualify this statement running through all examples of cultural practices which hinder the adoption of conservancy methods (20 mrks)

QUESTION FOUR

In a well labelled diagram draw a single stack, system of plumbing showing all its operations, advantages and disadvantages. (20 mrks)

QUESTION FIVE

In order to adopt or select a method for disposal of excreta, some requirements have to be met. Discuss the requirements that are considered during selection. (20 mrks)