

University Examinations for 2017/2018

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES AND COMMUNITY DEVELOPMENT

SECOND YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

ECD 204: COMMUNITY WATER RESOURCES AND SANITATION MANAGEMENT

DATE:18/12/2017 TIME:8.30-10.30 AM

INSTRUCTIONS:

Answer Question one and any other two questions

QUESTION ONE (30 MARKS)

a) Define the following terms

	i.	Water resources	(2 marks)
	ii.	Secchi penetration	(2 marks)
	iii.	Salinity	(2 marks)
	iv.	Sanitation	(2 marks)
	v.	sustainable development	(2 marks)
b)	Giving examples, explain three groups of water quality parameters		(8 marks)
c)	Explain the concept of pollution prevention as applied in waste management		(6 marks)
d)	Explain three major challenges of solid waste management in Kenya (

QUESTION TWO (20 MARKS)

- a) The water in Masinga Dam in Kenya has been found to have high turbidity, explain the term turbidity and discuss four possible causes of it in this Dam. (10 marks)
- b) Explain four consequences of increased water temperatures in Lake Victoria ecosystems

(10 marks)

QUESTION THREE (20 MARKS)

Following the recent ban on plastic use in Kenya, this will result to a positive impact towards improvement of water quality, discuss (20 marks)

QUESTION FOUR (20 MARKS)

Using examples discuss implications of eutrophication on community water resources

(20 marks)

QUESTION FIVE (20 MARKS)

Critically evaluate Kenya's Water Act in relation to community water resources and sanitation management (20 marks)