

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

**UNIVERSITY EXAMINATIONS 2020/2021**

**EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY**

**SBT 2382: AQUATIC MICROBIOLOGY**

**DATE: MAY 2021 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) 48 MARKS AND ANY OTHER ONE QUESTION (22 MARKS)**

1a) Briefly discuss pollution (6 marks)

b) Briefly explain aeromicrobiology (6 marks)

c) Highlight ways of managing terrestrial pollutants (6 marks)

d) Explain biologeochemical cycling (6 marks)

e) Highlight consequences of aquatic pollution (6 marks)

f) Oil spillage is a form of water pollution. Highlight ways in which it can be avoided

(6 marks)

g) Describe microbial transport (6 marks)

h) Briefly describe ways of environment risk assessment (6 marks)

2) Describe methods of analysis of environmental samples (22 marks)

3) Discuss the microbiology of extreme environments (22 marks)

4) Discuss microbial transport (22 marks)