



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF

BACHELOR OF ENVIRONMENTAL STUDIES AND COMMUNITY DEVELOPMENT

ECD 209: CLIMATE CHANGE AND COMMUNITY LIVELIHOODS

DATE: Wednesday, 18th November 2020

TIME: 2.00 p.m. - 4.00 p.m.

INSTRUCTIONS:

Answer question ONE (compulsory) and any other two questions. Use well labelled illustrations where necessary.

1.
 - (a) Explain why climate change has been termed as "the big one" among the tipping points and red lines that humans cannot cross. (8 marks)
 - (b) Describe the SIX main greenhouse gases that were targeted for the first commitment period of the Kyoto Protocol. (12 marks)
 - (c) Nitrogen Trifluoride (NF₃) is now included in greenhouse gas reporting. Explain the reasons behind this decision. (10 marks)
2. Describe FOUR key reasons why Africa will be adversely affected by climate change. (20 marks)
3.
 - (a) Illustrate the link between climate change and the 2020 *Schistocerca gregaria* (Desert locust) invasion in Kitui County. (10 marks)
 - (b) Describe any FIVE intervention measures that communities in Kitui County can put in place manage the locust invasion. (10 marks)
4. Describe the East African Climate Paradox. (20 marks)
5. Propose FOUR conditions that Africa should negotiate for at the United Nations climate summit. (20 marks)