COURSE CODE: AFB 5112
COURSE TITLE: Climate Change Causes, Mitigation and Adaptation
EXAM VENUE: STREAM: MSc. Food Security and Sustainable Agriculture
DATE: 11/09/19       EXAM SESSION: 9.00 – 12.00NOON
TIME: 3 HOURS

Instructions:
1. Answer question ONE and ANY other 2 Questions
2. Candidates are advised not to write on question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.
1. a) Explain how climate change is affecting biodiversity? (4 Marks)

b) Explain with examples the negative impact of climate change on coastal zones and blue economy (4 Marks)

c) Differentiate between climate change adaptation and climate change mitigation (4 marks)

d) Explain the term climate change resilience? (4 Marks)

e) Explain with examples the concept of climate smart agriculture (4 Marks)

2. As the new Minister of Agriculture in your country/county, outline some key climate change mitigation and adaptation policy measure you propose to implement. (20 Marks)

3. Define the term agroforestry and describe the three main agroforestry practices (20 Marks)

4. Describe climate change vulnerability and discuss its three components. (20 Marks)

5. Explain with relevant examples why biodiversity loss is considered as one of the key planetary boundaries (20 Marks)