



NATIONAL OPEN UNIVERSITY OF NIGERIA

Faculty of Agricultural Sciences

Department of Animal Science and Fisheries

POP Examination Question, 2021

Course: ANP314: Environment and Animal Production

Credit Unit: 2

Total Score: 70 Marks

Time Allowed: 2 hours.

INSTRUCTIONS: Answer question one (Compulsory: 30 Marks) and any other TWO (20 marks each)

QUESTION ONE

- i. Can you provide a definition for monitoring, measuring and modeling erosion? 7 marks
- ii. What do you think could be the blueprint for predicting soil loss from water erosion? 10 marks
- iii. What differences exist between formation of Type I polar stratospheric cloud and Type II polar stratospheric cloud 5 marks
- iv. Describe what could happen to farm animal exposed to radiation? 8 marks

QUESTION TWO

- i. Outline the chemical reaction, which converts the non-ozone destroying molecules HCl and CIONO₂ into Cl₂ that lead to the building up a reservoir of Cl₂ during the winter. 8 marks
- ii. State in your own words what you understand by environmentalism? 5 marks
- iii. Can you suggest an approach for achieving environmental protection? 7 marks

QUESTION THREE

- i. Why do we need to protect environment? 5 marks
- ii. Which three school of thought describe how chlorine can eliminate ozone. 5 marks
- iii. Explain in your own words the significance of the production of chlorine from chlorofluorocarbon? 5 marks
- iv. Can you outline five (5) effects of turning productive semi-arid areas into non-productive desert as a result of poor management? 5 marks

QUESTION FOUR

- i. Humans and wild animals face new challenges for survival because of climate change. Briefly outline five (5) ways in which animal health may be directly or indirectly affected. 5 marks
- ii. Can you briefly outline the influence of Sediments on aquatic ecosystems? 7 marks
- iii. Explain briefly the mass movement events that take place during gravitational erosion? 8 marks