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University Examinations 2024/2025

SECOND YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN ENVIRONMENTAL SCIENCE AND NATURAL RESOURCE
MANAGEMENT

SEG 3200: WEATHER AND CLIMATE

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) Describe the global weather systems (6 marks)
- b) Distinguish between typhoon and hurricanes (4 marks)
- c) Describe tornados and willy-willies (4 marks)
- d) Citing specific examples, explain the coldest and hottest place on earth (6 marks)
- e) What are the characteristics of equatorial climate (4 marks)
- f) Discuss some of the challenges slowing down climate change mitigation efforts (6 marks)

QUESTION TWO (20 MARKS)

Citing specific examples, explain “Global warming” (20 marks)

QUESTION THREE (20 MARKS)

Describe cyclones, citing specific examples (20 marks)

QUESTION FOUR (20 MARKS)

Discuss weather satellites

(20 marks)