



UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF EDUCATION ARTS

GEOG 313: CLIMATOLOGY

STREAMS: BED (ARTS) Y3S2
DAY/DATE: FRIDAY 09/7/2021

TIME: 2 HOURS
11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- Answer question ONE (Compulsory) and any other TWO questions
- Use illustrations wherever appropriate

- (a) Describe the various spatial and temporal scales of studying climatology
[10 marks]
 - (b) Compare and contrast the notion of weather and climate [6 marks]
 - (c) Discuss four layers of the atmosphere based on temperature and illustrate them
[12 marks]
 - (d) Explain why the science of climatology is considered holistic [2 marks]
 2. Examine various factors influencing the nature and the prevailing climate in a given region
[20 marks]
 3. (a) Describe THREE major approaches of classifying climate systems [6 marks]
 - (b) Examine FOUR contemporary applications of climatology [14 marks]
 4. (a) Examine the processes by which energy is transferred between the atmosphere and Earth's surface [6 marks]
 - (b) Discuss the hydrological cycle and show its relation to climate [14 marks]
 5. (a) Describe four elements of weather and show how they are measured [10 marks]
 - (b) Examine four sub components of climatology [10 marks]
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