

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF
DEGREE OF BACHELOR OF EDUCATION (ARTS)**

GEOG 211: HYDROLOGY

STREAMS: BA - ODEL

TIME: 2 HOURS

DAY/DATE: TUESDAY 13 /07/ 2021

11.30 AM – 1.30 PM

INSTRUCTIONS:

- Answer Question One and any other TWO questions.
- Use illustrations where necessary

1. (a) What is hydrological cycle and what drives it? [5 Marks]

(b) Draw a diagram showing all the parts of the hydrological cycle and explain the process in each part. [25 Marks]
 2. Distinguish between the types of ocean currents and tides. Explain what causes them? [20 Marks]
 3. Explain the role of precipitation in discharge and recharge of groundwater and springs. [20 Marks]
 4. Use diagrams to explain the formation of the three types of rainfall. [20 Marks]
 5. Relate vegetation to interception of rainfall and explain how interception can help in reducing flooding. [20 Marks]
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