

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS
RESIT/SPECIAL EXAMINATION**

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF ARTS

GEOG 211: HYDROLOGY

**STREAMS: B.A
HOURS**

TIME: 2

DAY/DATE: WEDNESDAY 03/11/2021

8.30 A.M – 10.30 A.M.

INSTRUCTIONS:

- Answer question ONE and TWO other questions
- Use sketches and diagrams to illustrate your answers

1. a) Write brief notes to explain the hydrological concept listed below:

(i) Interception (5marks)

(ii) Infiltration (5marks)

(iii) Surface runoff (5marks)

(iv) Ground storage (5marks)

(v) Evapotranspiration (5marks)

(vi) Through flow and base flow (5marks)

2. Explain why natural river channels are not straight (20marks)

3. What are river deltas, and how do they form? (20marks)

4. What is a base level? Distinguish between temporary and universal base level (20marks)

5. Discuss four (4) ways through which human activities pollute water bodies and suggest ways to reduce or eliminate water pollution (20marks)