

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF EDUCATION ARTS AND BACHELOR OF ARTS**

GEOG 334: PHOTOGRAMMETRY

STREAMS: BED (ARTS), BA

TIME: 2 HOURS

DAY/DATE: TUESDAY 10/12/2019

8.30 AM – 10.30 AM

INSTRUCTIONS:

- **Answer question ONE and any other TWO**
 - **Sketches and diagrams may be used wherever they serve to illustrate an answer**
1. (a) What is photogrammetry? [2 marks]
 - (b) Briefly explain the characteristics that allow extraction of both qualitative and quantitative information in photography. [8 marks]
 - (c) Discuss the four categories of information received from Photographic images. [10 marks]
 - (d) Describe the various components / parts of a digital camera as a key data acquisition instrument in photogrammetry. [10 marks]
 2. Describe the photogrammetric products and assess their application. [20 marks]
 3. Photogrammetry can be classified based on camera location during photography. With the aid of diagrams, describe the various classes. [20 marks]
 4. Discuss the various types of aerial photographs. [20 marks]
 5. (a) Discuss the two types of photogrammetry. [8 marks]

- (b) All stereoplotters, whether analog or analytical, must be set up for measuring or mapping in three consecutive steps. Describe these steps. [12 marks]
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