

CHUKA



UNIVERSITY

SUPPLEMENTARY / SPECIAL EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF BACHELOR OF ARTS
(GEOGRAPHY)**

GEOG 434: DIGITAL IMAGE PROCESSING

STREAMS: B.A Y3 S1

TIME: 2

HOURS

DAY/DATE: MONDAY 16/11/2020

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

Answer Question ONE and any other TWO Questions

1. a) Discuss various methods of carrying out Geometric and Radiometric corrections (15 Marks)
b) Examine the process of digitising using a tablet (15 Marks)
 2. Discuss the process of carrying out Supervised Classification (20 Marks)
 3. a) Examine the FOUR techniques of doing post classification editing (10 Marks)
b) Describe how linear contrast stretch enhancement is done (10 Marks)
 4. a) Examine THREE approaches of spatial image interpolation (12 Marks)
b) Explain the FOUR resolutions associated with digital satellite images (8 Marks)
 5. Discuss any FOUR techniques employed when doing digital image contrast enhancement (20 Marks)
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