



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 300 AIR PHOTO INTERPRETATION AND FIELD COURSE

DATE:

TIME:

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

- 1 a). Distinguish between:
 - i. Photogrammetry and stereoscope (4 marks)
 - ii. Principal point and nadir (4 marks)
 - iii. High and low oblique air photography (4 marks)
- b). Describe three factors considered in a flight mission (6 marks)
- c). Explain any two methods used in calculating photo scale (4 marks)
- d). What are the properties of aerial photographs? (8 marks)
2. Assess how the principles of air photo interpretation can be used to classify the major land use in the city of Nairobi (20 marks)
- 3 a). Highlight the reasons for a photo mission (8 marks)
- b). Assess the significance of aerial photographs (12 marks)
- 4 a). Assuming that you are required to undertake an aerial mapping of Kiima Kimwe hill region, explain the major considerations you have to make in the preparation for the exercise (12 marks)
- b). Describe the type of errors that might occur during the air photo flight mission (8 marks)
5. Explain how aerial photographs are used in geological mapping and interpretation (20 marks)