



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja

Faculty of Sciences

2023_2 EXAMINATIONS

Course Code: ESM 392

Course Title: REMOTE SENSING AND RADIATION PRINCIPLES

Course Unit: 2 Credit Units

Time Allowed: 2¹/₂ Hours

Total Score: 70 Marks

Instruction: Answer question ONE and any other TWO questions

1. Write explanatory notes on the following:
 - i. Pocket Stereoscope
 - ii. Mirror Stereoscope
 - iii. Zoom Stereoscope

2. Describe the term 'atmospheric window' in remote sensing technique.
3. In digital image processing, geometric correction process is implemented as a two-step procedure (Lillesand *et al.*, 2008), Discuss.
4. Discuss the outcome of the use of high pass filter and low pass filter in digital image processing.

5. Narrate the history of aerial photograph.