



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences

2024 1 EXAMINATION

Course Code: ESM 392

Course Title: REMOTE SENSING AND RADIATION PRINCIPLES

Course Unit: 2 Credit Units

Time Allowed: 2½ Hours

Total Score: 70 Marks

Instruction: Answer question ONE and any other TWO questions

1. When electromagnetic energy is incident on any given earth surface feature, three fundamental energy interactions will possibly take place (Lillesand and Kiefer, 1999). Discuss.
2. Describe the two types of aerial photographs.
3. Describe the required equipment for manual image interpretation.
4. Describe the geometric manner by which objects reflect energy.
5. Discuss the step by step approach in supervised image classification.