



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
SEPTEMBER 2020_1 EXAMINATION

COURSE CODE: ESM 392

COURSE TITLE: REMOTE SENSING

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

Instruction: Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions (15) each marks.

- 1 a. What is aerial photography? **(9marks)**
 b. Explain the following phenomena;
 i) Atmospheric scattering **(11marks)**
 ii) Atmospheric absorption. **(5marks)**
- 2 a. Discuss contrast enhancement. **(9marks)**
 b. Explain Density slicing. **(6marks)**
- 3 a. What are remote sensing platforms? **(4marks)**
 b. Discuss the types of remote sensing platforms. **(11marks)**
- 4 a. Explain Edge enhancement. **(11marks)**
 b. Explain Non-directional filters. **(4marks)**
- 5 Explain the types of aerial photographs **(15marks)**