



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

FACULTY OF SCIENCES

JANUARY/FEBRUARY, 2018 EXAMINATIONS

COURSE CODE: ESM 421

TIME ALLOWED: 2 HOURS

COURSE TITLE: ELEMENTS OF LAND SURVEYING

CREDIT UNIT: 2

Instruction: Attempt question number one (1) and any other three (3).

1. Justify the view that surveying is the art and science of measuring distances, direction and elevation to determine the relative positions of features on the earth's surface and their representation in the form of maps, plans and charts. **(25marks)**
2. Discuss the sources of errors in chain survey and draw inference to their rectification. **(15marks)**
3. Write short notes on the following terms in relation to chain survey:
 - (a) Purpose **(5marks)**
 - (b) Suitability **(5marks)**
 - (c) Unsuitability **(5marks)**
4. Discuss the major classifications in land surveying **(15marks)**
5. Justify the view that topographical survey connotes the same as landscape survey. **(15marks)**