## FEDER OF TEAUVERSITY OF TECHNOLOGY OWERRI SCHOOL OF TO AGRICULTURE AND AGRICULTURAL TECHNOLOGY DEPARY MENT OF SOIL SCIENCE AND TECHNOLOGY 2019/2020 SESSION HARMATTAN SEMESTER EXAMINATION.

COURSE TITLE: SOIL GENESIS AND CLASSIFICATION

CODE:

SST 401: TIME: 3 hours

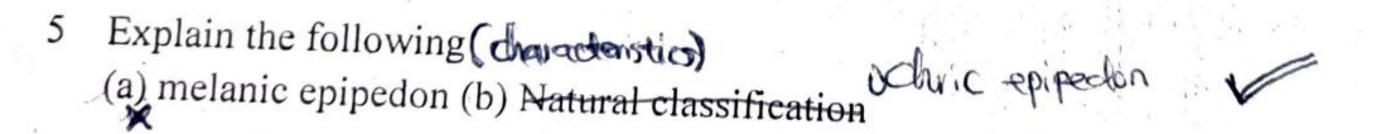
INSTRUCTIONS: ANSWER FIVE QUESTIONS WITH AT LEAST TWO FROM EACH SECTION.

## SECTIION A

- 1 (a) What is pedogenesis
  - (b) Classify pedogenetic process in a soil system
- With examples explain types of rocks
- 3 In what ways can climate influence soil formation

## SECTION B.

- 4 (a) Explain in details Land Capability Classification
- × (b) What are the relevance of land capability classification in field studies



- (c) Spodic horizon (d) umbric epipedon (e) oxic horizon (f) mollic epipedon
- 6 Discus in details
  - (a) lithologic discontinuity (b) xeric moisture regime (c) paralithic contact
  - (d) mesic soil temperature regime
  - (e) Hyperthermic temperature regime