



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, University Village, Nnamdi Azikiwe Expressway, Jabi, Abuja

Faculty Agricultural Sciences

DEPARTMENT OF CROP AND SOIL SCIENCES

2020_2 EXAMINATION

COURSE CODE: SLM 310

COURSE TITLE: WATER SHED HYDROLOGY 2CU

Instruction: Answer 4 questions in all; No. 1 is compulsory and carries 25 marks and any other three questions carrying 15 marks each.

TIME: 2HRS 30MINS

QUESTIONS

1.

- a. Describe the importance of watershed (9marks)
- b. Describe the following watershed terms
 - Catchment
 - Drainage basin
 - Watershed boundary. (9marks)

- c. List seven characteristics of water shed(7marks)

2.

- a. what is the difference between Shape and Size of watershed (5marks)
- b. Outline five characteristics of a healthy watershed (10marks)

3.

- a. Explain how climate influences water shed functioning (5 marks)
- b. State five effects of water shed degradation (10 marks)

4.

- a. Define hydrology and carefully explain its function (9marks)
- b. List four hydrological processes (6marks)

5.

- a. Outline any five components of hydrological cycle (5marks)
- b. Write short notes on the following (10marks)
 - i. Surface water
 - ii. Ground water

6.

- a. Describe any five importance of ground water (10marks)
- b. Enumerate four ways a river transports its load (5marks)