



**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)