



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**DEPARTMENT OF CROP AND SOIL SCIENCES**

*EXAMINATION: SECOND SEMESTER POP EXAMINATION OCTOBER 2109\_2*

**COURSE TITLE: WATERSHED HYDROLOGY**

**COURSE CODE: SLM310**

**TOTAL SCORE: 70 MARKS**

**TIME ALLOWED: 2hours**

**INSTRUCTION: Answer FOUR Questions in all.**

*Question 1 is compulsory (25marks) and any three questions (15 marks each)*

**QUESTION**

1. a. Differentiate between small and large watersheds. (5marks)  
b. Enumerate the classification of watershed by land use. (10marks)  
c. List 5 important functions of a watershed (10marks)
  
2. a. Define water shed and list 8 of its characteristics. (10marks)  
b. What is the importance of Ground water. (5marks)
  
3. a. What are the 5 characteristics of a healthy watershed. (5marks)  
b. With the aid of a label diagram, show the fan shape and leaf shape of a water shed (10marks)
  
4. a. Define Hydrology and state the main hydrological processes (5marks)  
b. What is hydrological cycle, list its components. (10marks)
  
5. a. Define hydrology and state the main hydrological process. (5marks)  
b. What is hydrologic cycle. Mention 5 components of water cycle. (10marks)
  
6. Write short notes on the following
  - i. surface water (3marks)
  - ii. water body(4marks)
  - iii. ground waters (4marks)
  - iv. confined aquifers. (4marks)