



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

EXAMINATION: SEPTEMBER, 2020_1 POP 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

QUESTION

1. a Define watershed characteristics (7marks)
a. List seven characteristics of water shed(7marks)
c. List eight factors that affect water shed characteristics (11marks)
2. a. Differentiates between Shape and Size of watershed (5marks)
b. Mention five characteristics of a healthy watershed (10marks)
3. a. Enumerate the influences of climate on water shed functioning (5 marks)
3. b. List five effects of water shed degradation (10 marks)
4. a. What is hydrology and what is its function (7marks)
b. State four hydrological processes (8marks)
5. a. Name six component of hydrological cycle (5marks)
b. Write short notes on any two of the following (5marks)
 - I Surface water
 - Ii Ground water
 - Iii Water body
 - Iv confined aquifer
6. a List five importance of ground water (10marks) b. Enumerate four ways a river transports its load (5marks)