

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)