



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
FACULTY OF AGRICULTURAL SCIENCES  
FIRST SEMESTER EXAMINATION, MARCH 2017  
COURSE COED/TITLE: SLM310: WATERSHED  
HYDROLOGY**

**CREDIT UNIT: 3**

**TIME ALLOWED: 3 HOURS**

**INSTRUCTION:** Answer question 1 and any four (4) other questions.

Q(1a) Articulate the two definitions of watershed.(5marks each = 10marks)

Q(1b) What is watershed characteristics: Support your answer by listing five of its principles. (2 marks each = 10 marks)

Q(1c) Differentiate between watershed boundary and drainage basin. (5marks each = 10 marks)

Q(2) What are the variables that affect the formation and maintenance of a watershed. (10 marks)

Q(3) List the determining factors of a typical soil type. (10 marks)

Q(4) Describe what is Biogeochemical cycle. (10 marks)

Q(5) Describe the function of a watershed. (10 marks)

Q(6) By classification, distinguish between the two types of watershed and list the classification of watershed by land use. (10 marks)

Q(7a) Describe two types of watershed.(5 marks)

Q(7b) mention five effects of watershed degradation. (5 marks)