



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja.
FACULTY OF EDUCATION
2020_1 Semester

COURSE CODE: SED421

COURSE TITLE: CYCLES IN NATURE- BIOLOGICAL CYCLES

CREDIT UNIT: 2

TIME ALLOWED: 2 HOURS

INSTRUCTION: Answer Question One and any Other Two

1. (a) Briefly explain the process of denitrification. **10 marks**
(b) Describe the water cycle. **15 marks**
(c) Identify 5 processes in the movement and phase changes in water. **5 marks**
(Total=30marks)

2. (a) i. What is atmospheric Photochemistry? **5 marks**
ii. Mention 5 problems atmospheric chemistry seeks to address. **5 marks**
(b) Briefly explain any 2 central elements of atmospheric chemistry. **10 marks**

3. (a) Define the term Biorhythms. **2 marks**
(b) Explain Physical, Emotional and Intellectual Biorhythms cycles. **18 marks**

4. (a) Identify any five (5) features of progressive ocean waves. **5 marks**
(b) Briefly explain any five (5) stages of the Hydrological Cycle. **15 marks**