



**UNIVERSITY OF AGRICULTURE, ABEOKUTA**  
**DEPARTMENT OF WATER RESOURCES MANAGEMENT & AGROMETEOROLOGY**

**2009/2010 SECOND SEMESTER EXAMINATION**

**WMA 210: ELEMENTS OF GEOSCIENCE**

Time: 2 Hours

**INSTRUCTIONS: Answer any FOUR questions**

1. Examine, with diagram, the internal structure of the earth.
2. (a) Discuss the concept of isostasy  
(b) Define the following
  - i) System
  - ii) Negative feedback
  - iii) Steady state
  - iv) Residence time
  - v) Environmental unity
3. Discuss any two of these with the aid of diagram
  - i) Hydrological cycle
  - ii) Biochemical cycle
  - iii) Lithological cycle
4. Examine with the aid of diagrams the features of flood plain
5. (a) Describe the actions of the river in erosion.  
(b) Elucidate the river action in transportation
6. (a) What are rocks  
(b) What is a mineral?  
(c) Attempt a classification of rocks according to origin  
(d) Classify minerals according to availability of silicates