

OLABISI ONABANJO UNIVERSITY
FACULTY OF THE SOCIAL SCIENCES
DEPARTMENT OF GEOGRAPHY AND REGIONAL PLANNING
2005/2006 HARMATTAN SEMESTER EXAMINATION

GRP 211: ENVIRONMENTAL SCIENCE I

INSTRUCTION: ANSWER ANY THREE QUESTION

TIME ALLOWED: 2 HOURS

1. Discuss any two types of landforms associated with each of this group of structures.

(a) Disturbed structures.

(b) Undisturbed structures

2. Identify the important soil forming processes and describe each.

3. "The oceans derive their energy from the earth surface wind, which transfer large quantities of momentum to the ocean. This could be in the form of wave or in the form of downward drift".

Describe how these processes lead to the formation of ocean currents.

4. Write an explanatory notes on any two of the following.

(a) Coriolis force

(b) Geostrophic Wind

(c) Centrifugal force

5. Discuss what you understand by the second order relief features of the continents.

There are two types of wind. Geostrophic wind results from a pressure gradient in a direction diametrically opposite to the velocity of the wind. The velocity of the wind can be found by the Coriolis force that of the pressure gradient.

These forces operate within the isobars on a curved path over the earth's surface. The forces from the centrifugal force of rotation of the earth.