

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES
2010/2011 FIRST SEMESTER EXAMINATION
BLY 302: ENVIRONMENTAL BIOLOGY

Answer questions **ONE** and any two others.

Time: 2hrs 20 mins

1. Discuss any **three** primary pollutants under the following headings:
 - (a) Sources
 - (b) Effects on plants and humans
 - (c) Control

(30 Marks)

2. Write on any **four** of the following:
 - (i) Desertification
 - (ii) Lakes
 - (iii) Greenhouse effect
 - (iv) Swamps and marshes
 - (v) Deforestation
 - (vi) Ozone layer depletion

(20 Marks)

3. Give an account of the impact of oil pollution on the aquatic environment.

(20 Marks)

4. Discuss **ten** routes through which environmental agents get into the environment.

(20 Marks)

5.
 - (i) Give an account of the molecular basis of mutation
 - (ii) Discuss clearly how the following mutagens cause mutation:
 - (a) Ultraviolet radiation
 - (b) Base analogues

(20 Marks)