

**BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES**

2010/2011 SECOND SEMESTER EXAMINATION

PLB 405: PLANT BREEDING

Answer any **three** questions.

Time: 2hr 15 mins.

1. Write concisely on propagation by layering. *(25 Marks)*
2. Describe floral adaptations you can use to determine plants that undergo cross pollination. *(25 Marks)*
3. Discuss in brief Homomorphic and Heteromorphic systems of incompatibility
(b) What is self-incompatibility? *(25 Marks)*
4. (a) Discuss the aims and objectives of plant breeding.
(b) Mention the various mechanisms that promote self-pollination. *(25 Marks)*
5. (a) How can you determine mode of reproduction of a species.
(b) What is the effect of self-pollination and cross pollination over a population? *(25 Marks)*