

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 FIRST SEMESTER EXAMINATION

PLB 408: PLANT MORPHOGENESIS
PRACTICAL EXAMINATION

Answer **ALL** questions.

Time: 1hr 30 mins

You are provided with specimens **A, B, C** and **D**. Study the specimens and:

- (a) Draw and label specimens **A**
- (b) Measure the lengths of internodes in **B** and **C** which are relatively of the same age
 - (i) Record your measurements
 - (ii) Explain your observations in line with morphogenesis in the two plants
- (c) Identify specimen **D**. State its morphogenetical adaptation to its habitat
- (d) With the aid of annotated diagram **only**, give an account of seed development in angiosperms.

(25 Marks)