

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 SECOND SEMESTER EXAMINATION

PLB 407: WOOD AND WOOD APPLICATIONS
PRACTICAL EXAMINATION

Answer all questions

Time: 1hr 30 mins.

1. State the factors responsible for the different colours observed in specimen A. Explain the usefulness of these different colour regimes to man.
2. Specimens B & C are of the same volume but different weights. Determine the weights and state what part of construction industry each specimen is suitable for.
3. (a) During your study trip to Oluwo Market Sawmill Industry. You observed logs of local trees. State the botanical and local names of two examples each of
 - (a) Light timbers
 - (b) Medium –dense hardwood
 - (c) Medium hard utility timbers
 - (d) Strong and heavy timbers
 - (e) Luxury timbers
- (b) Briefly highlight the usefulness of (a) – (e) in the construction industry.
4. Identify specimen F and describe how to manufacture it from wood using mechanical method.