



**UNIVERSITY OF AGRICULTURE, ABEOKUTA
COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT
DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT**

FIRST SEMESTER EXAMINATION 2009/2010 SESSION

COURSE CODE: FWM 309

COURSE TITLE: WOOD ANATOMY, FORMATION AND PROPERTIES

DATE: WEDNESDAY 7TH JULY, 2010

TIME ALLOWED: 1½ Hours

INSTRUCTION: Answer any THREE Questions.

- 1.(a) List and explain the layers that can easily be observed when wood is cut transversely.
- (b) Differentiate between sapwood and heartwood.

- 2.(a) What is Durability?
- (b) Elucidate principal physical properties of wood.

3. Explain the following:
 - (i) Hardwood
 - (ii) Softwood
 - (iii) Growth ring
 - (iv) Axial and Radial systems
 - (v) Seasoning

4. Elucidate the microscopic structure that could affect the use of softwood.

5. Elucidate the microscopic structure that could affect the use of hardwood.