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.