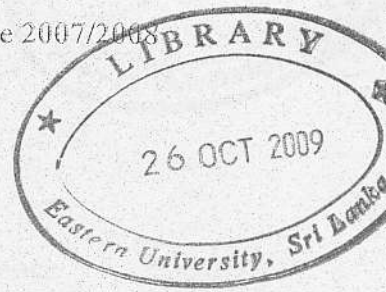


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Eastern University, Sri Lanka  
First Year Second Semester Examination in Science 2007/2008  
BT 101 / Plant Diversity  
Repeat / August - September - 2009



Answer all questions

Time: 02 hours

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1. a). What is nannandrium?  
b). Describe the role of nannandrium in sexual reproduction.
  
2. Distinguish between;
  - a). protonema and hormogonium
  - b). kieselguhr and frustule
  - c). sporocyte and coenocytes
  - d). oosphere and holosphere
  
3. Compare the followings;
  - a). gametophyte of *Marchantia* and *Psilotum*
  - b). stem of *Lycopodium* and *Equisetum*
  - c). sporocarp and sorus
  
4. Explain the following statements;
  - a). Polyembryonic condition is present in *Pinus*
  - b). *Cycas* having natural fertilizers.
  - c). *Cycas* female flowers are "gymno"