

Eastern University, Sri Lanka  
First Year Examination in Science / 2003-2004 (Proper) (October 2007)  
External Degree Programme  
EXTBT 104 – Plant Diversity (Vascular Plants)

Answer all questions

Time: 01 hr

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1.
  - a). With the help of a fully labeled diagram describe the habit structure of *Isoetes*
  - b). Compare the gametophyte of *Lycopodium* with that of *Psilotum*

(100 points)
  
2.
  - a). Compare the structure and development of the male gametophyte of *Cycas* and *Pinus*
  - b). Compare the female cone of *Pinus* with that of *Selaginella*

(100 points)