

**EASTERN UNIVERSITY, SRI LANKA**  
**FACULTY OF SCIENCE**  
**SECOND YEAR / SECOND SEMESTER EXAMINATION IN SCIENCE –**  
**2004/2005**  
**(OCTOBER/NOVEMBER – 2006)**

**BT 204 - Plant structure and systematics**

**Answer all questions**

**Time : 2 hour**

---

1. Give a brief account of
  - a. family Graminae (Poaceae) and
  - b. Binomial nomenclature
  
2. Explain the following;
  - a. The origin of angiosperms is still a debated issue
  - b. Parallel or convergent evolution may produce similarities
  - c. The herbarium is important for the study of plants
  
3. Give a brief account of the following
  - a) Plant tendrils
  - b) Xylem tissue
  
4. Differentiate between the items in each pair below;
  - a) Collenchyma and sclerenchyma
  - b) Thorn and prickle
  - c) Racemose and cymose inflorescences
  - d) Drupe and Berry
  - e) Phellogen and Vascular Cambium

\*\*\*\*\*