



SBT 2302: TAXONOMY OF HIGHER PLANTS

CAT 1

TIME: 1HR

Answer ALL questions

1. Using relevant examples, differentiate the following terms:
  - i. Phylogenetic and Artificial classification(2mk)
  - ii. Holotype and syntype and nomenclature (2mk)
  - iii. Paratype and synonym (2mk)
  - iv. Multi access and multi-access keys (2mk)
  - v. Binomial nomenclature and common names(1mk)
2. a) Using relevant examples indicate how plants are assigned botanical names(5mk)  
b) Why is Latin used in scientific naming? (2mks)  
c) What is the importance of typification? (3mks)
3. a) Explain the following:
  - *Didymopanax gleasonii* Britton et Wilson (1mk)
  - *Lupinus* (Tourn) L. (1mk)
  - Money maker(1mk)
  - *Aloe turkanensis*(1mk)
  - *Solanum incanum*+*S.nigrum*(1mk)

b. Differentiate angiosperms from gymnosperms (2mks)

c) Outline the importance of studying taxonomy (3mks)