

Eastern University, Sri Lanka
Second Year First Semester Examination in Science 2015/2016 (December 2017)

BT 201, Plant Structure and Systematics

Answer all questions

Time: 02 hours

- (1) (a) Write major functions of hypocotyl and coleoptile during germination of seeds.
(b) List major differences between tap root and adventitious root with examples.
(c) Write the role of Gibberellins in the formation of flowers in plants

- (2) Briefly write on the following
 - (a) Sexual reproductive unit of an angiosperm
 - (b) Modifications of leaves of an angiosperm
 - (c) Divergence evolution

- (3) Compare the following
 - (a) Binomial name and Vernacular name
 - (b) Good characters and Bad characters in plant taxonomy/systematics
 - (c) Natural classification and Mechanical classification

- (4) Explain the following statement
 - (a) "Bracket key has advantages than indented keys"
 - (b) "Tag in the herbarium sheet is important"
 - (c) "Radicle of *Rhizophora* is modified for its dispersal"