

ANATOMY OF FLOWERING PLANTS

- 1) With the help of suitable examples, describe the various types of vascular bundles in plants. 3M (2000, 03)
- 2) Differentiate between root apex and shoot apex. 2M (2001)
- 3) Give an account of Tunica corpus theory. 3M (2004)
- 4) Differentiate between
 - a. Heartwood and sapwood (1995,2005)
 - b. Exarch and Endarch xylem (2000,02)
 - c. Calyptra and calyptragen (2006)
- 5) Why is propagation through grafting not successful in monocots? (1999, 02)
- 6) Name the scientist associated with the histogen theory. (2003)
- 7) Mention one significant difference between stoma and stroma. (2004)
- 8) Give the anatomical differences between a dicot stem and a monocot stem. 4M(2005)
- 9) Give an account of the activity of cambium in the secondary growth of the stem. 4M(2006)
- 10) Give the anatomical difference between the dicot and monocot leaf. (2007, 4M)
- 11) Give four differences between meristematic and permanent tissues. (2008, 4M)
- 12) Give anatomical differences between a dicot leaf and a monocot leaf. 2009 4M
- 13) Draw a neat and fully labeled diagram of a T.S. of dicot stem. 2010 4M
- 14) Explain the tunica corpus theory of origin of shoot apex. 2011 3M