

V.P and R.P.T.P.Science college
Internal test ,2014

Subject: Botany
Day: Thursday
Time: 1-2.30 pm

Course No. US04CBOT02
Date: 13.03.2014
Marks: 30

- Q.1. Answer any three in brief. 06
- (i) Describe anisocytic stomata.
 - (ii) Describe the functions of nectarines.
 - (iii) Describe pollination in Commelina benghalensis.
 - (iv) How endosperm is produced? Comment upon its function.
 - (v) What is the difference between sterilisation and disinfection?
 - (vi) What is ex-situ conservation?
- Q.2. (a) Describe the structure of vascular cambium. 05
(b) Describe the structure of a typical nectary. 03
- OR
- Q.2. (a) Describe the structure of an old stem of Leptadenia. 05
(b) Describe the functions of laticifers. 03
- Q.3. Describe the development of male gametophyte in angiosperms. 08
- OR
- Q.3. Describe the various types of endosperms studied by you. 08
- Q.4. Write short notes on: (a) Role of biotechnology in agriculture. 05
(b) Totipotency 03
- OR
- Q.4. Write short notes on:
(a) Aseptic conditions in plant tissue culture laboratory. 05
(b) Importance of protoplast fusion. 03

