

V.P. & R.P.T.P.SCIENCE COLLEGE  
INTERNAL TEST  
B.Sc. IV<sup>th</sup> SEMESTER  
BOTANY US04CBOT01

DATE- 12/03/2014  
DAY- Wednesday

MARKS-30  
TIME-1.00-2.30 p.m.

- Q-1 Answer the following (any three). (05)
- (i) Name the protective layers of sporophyte of Marchantia.
  - (ii) Draw internal thallus structure of Notothylus.
  - (iii) What is stele?
  - (iv) Draw and label external features of Marselia plant.
  - (v) Give the botanical name, family and biological source of Vasaka.
  - (vi) Define – Organised crude drugs.
- Q-2 (a) Write classification of Marchantia and Notothylus. (04)
- (b) Describe structure of sex-organs of Pellia. (04)
- OR
- Q-2 (a) Draw a labeled diagram of L.S. of Notothylus mature capsule. (04)
- (b) Explain external morphology of Pogonatum. (04)
- Q-3 Describe internal structure of Pinus needle with the help of diagram. (08)
- OR
- Q-3 Give an account of prothallus with sex-organs of Psilotum. (08)
- Q-4 (a) Write about any two methods of artificial drying of crude drugs (04)
- (b) Write a note on harvesting of crude drugs. (04)
- OR
- Q-4 (a) Describe the collection method of crude drugs. (05)
- (b) Give botanical name, family and biological sources of Ashwagandha. (03)

