

**V.P.SCIENCE COLLEGE**  
**S.Y.Bsc. SEMESTER IV Internal test, 2017**  
**(Higher cryptogams, Pharmacognosy and Environmental Biology)**  
**Subject code -US04CBO01**



Date : 08/ 03 /2017

Time: 3-00 to 4-30pm.

Day: Wednesday

Total Marks: 25

Note : \* All questions are to be attempted. \*Figures to the right indicate marks.

Q. 1	Choose the correct answer from the given options {3x1}  1). The mature archegonia inverted with their necks downwards in-----. a)Notothylus b) Marchantia c) Pogonatum d) Pellia  2). Botanical name of Ashwagandha is. a) <i>Adhatoda</i> b) <i>Rauwolfia</i> c) <i>Ocimum</i> d) <i>Withania somnifera</i> .  3). Velamen tissue are present in the roots of a) Hydrophyte b) Xerophyte c) Epiphytes d) Halophytes.	03
Q.2	Answer the following question (Any two).  1) Draw a labeled diagram of dorsal surface of pelli a thallus. 2) Give the chemical constituent of vasaka drug. 3) What is Migration?	04
Q. 3	Write note on: a) Explain external features of Pogonatum. b) Write thallus structure of Notothylus. OR	03 03
Q. 3	Describe the sporophyte structure of Marchantia.	06
Q. 4	Describe the chemical and pharmacological classification of crude drug. OR	06
Q. 4	Give Botanical name, family, chemical constituents and uses of Neem and Adhatoda.	06
Q. 5	Explain the anatomical adaptations in Xerophytes and hydrophytes.  OR	06
Q. 5	Write note on: a) Write about the causes of forest degradation. b) What is Ecesis?	04 02

ALL THE BEST