## V.P. & R.P.T.P.Science College

## **INTERNAL TEST**

## B.Sc.- IVth SEMESTER

## **BOTANY-US05CBOT01**

Date-30/09/13

Marks-30

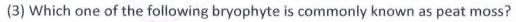
Monday

Time-3.30-5.00 p.m.

Q-1 Multiple choice questions.

(06)

- (1) Fusion of mature individuals which directly act as gametes is called:
  - (a)Hologamy (b) Isogamy (c) Autogamy (d) Conjugation
- (2) Quadriflagellate macrozoospores are seen in\_\_\_\_\_
  - (a) Chlamydomonas (b) Ulothrix (c) Spiryogyra (d) Oedogonium



- (a) Riccia (b) Marchantia (c) Sphagnum (d) Pellia
- (4) Bryology is the study of:
  - (a)algae (b) fungi (c) bryophytes (d) pteridophytes
- (5) The elementary process of the telome concept is:
  - (a)curvation (b) reduction (c)overtopping (d) all the above
- (6) Heterospory is seen in:
  - (a) Lycopodium (b) Isoetes (c) Equisetum (d) Pteris
- Q-2 Answer the following (any three).

(06)

- (1) List the main classes of algae and mention the diagnostic features of any one class.
- (2) Write a note on: Symbiotic algae.
- (3) Briefly mention the contributions of Prof. Ram Udar.
- (4) Distinguish-Thallophyta and bryophyta.



(5) Define- apospory.	
(6) Write note on-planation.	
Q-3 Write the structure and mention systematic position of the following:	
(a) Vaucheria (b) Chara	(06)
OR	
Q-3 (a) Differentiate between prokaryotic and eukaryotic cell.	(03)
(b) Giving suitable examples, explain morphological anisogamy.	(03)
Q-4 Write about: (a) Fragmentation.	(03)
(b) Tuber formation.	(03)
OR OR	
Q-4 Give a brief account on distribution of bryophytes.	(06)
Q-5 Describe the various factors that regulate apogamous development of	
sporophytes.	(06)
OR	
Q-5 Describe the spore-producing structure of Dryopteris.	(06)