

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) Spirgyra (d) Oedogonium

(3) Which one of the following bryophyte is commonly known as peat moss?

(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

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)

