Note:

- 1. All the questions are compulsory.
- 2. Draw neat & suitable diagrams wherever necessary.
- 3. Figures to the right indicate full marks.

b. Give a general account of the class Anthocerotae.

Q 1. A. Choose the correct option & rewrite t 1. Phaeophyta is commonly called as	he statements:	(10 Marks)
a. Green algae b. Brown algae	a Pad alone	4 D
2. Anthoceros is commonly known as	c.Red algae	d.Purple algae
a.Stoneworts b.Liverworts	c.Hornworts	d Bladderworts
3. Plant body is differentiated into rhizoids, caul	oids and phylloids in	d.Diaddel worts
a.runaria b.Anthoceros	c.Spirogyra	d.Riccia
4. Diadelphous stamen is found in the family		
a. Asteraceae b. Papilionaceae	c. Arecaceae	d. Caesalpiniaceae
5. Presence of odd sepal and petal is observed in	family	
a. Mimosae b. Caesalpiniaceae	c. Papilionaceae	d. Fabaceae
6. In epigynous flower the ovary is		
a. superior b. inferior	c. half inferior and superior	d. semi-superior
7. Full form of TLC is		
a. Thick Layer b. Thin Layer	c. Thin Layer	d. Thin Line
Chromatography Chromatography	Centrifugation	Chromatography
is a technique where sam	iples separate due to the	he presence of an
electric field.		
a. Chromatography b. Centrifugation	c. Etectrophoresis	d. Colorimetry
is/are commonly used preservatives/pr	eservatives for plant s	ample preservation
a. Politialili b. Alcohol	c. Formalin-Aceti	d. All of the above
10. If the magnification of the eyepiece (lens) is	10x and that of the oh	jective niece(lang) is
15x, what will be the magnification?	and that of the ob	Jective piece(lens) is
a. 100x b. 110x	c. 115x	d. 150x
Q 1. B Answer the following in one sentence		
a. Define phycology		(10 Marks)
b. Calyptra		
What is the latest code of Nomenclature of AWhat is a drupe?	Algae, Fungi and Plant	ts titled as?
e. What is Rf?		
Q 2. Answer the following questions (Any two)	(20 Marks)
Describe the range of thallus structure in the members of Phaeophyta Add a note on		
reserve food material in Phaeophyta.		

- Describe the external morphology and V.S. of thallus in Anthoceros.
- Describe the sporophyte of Funaria.

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Q 3. Answer the following questions (Any two)

(20 Marks)

- Write a note on the principles of International code of Nomenclature for Algae, Fungi and Plants. Explain each principle.
- b. Explain anatomy and ecology in relation to taxonomy
- Give the classification with reason, distinguishing characters and any two plants of economic importance of the family Arecaceae
- Give the classification with reason, distinguishing characters and any two plants of economic importance of the family Asteraceae

Q 4. Answer the following questions (Any two)

(20 Marks)

- Describe the method of Herbarium preparation.
- Enlist and explain the parts of the Electrophoretic unit/apparatus.
- Give a detailed account on the process of Thin Layer Chromatography. C.
- Explain: Principle & working of electron microscope.

Q 5. Short Notes (Any four)

(20 Marks)

- T.S. of axis in Sargassum
- Vegetative reproduction in Anthoceros.
- Papilionaceous corolla
- Ray florets in Asteraceae
- Wet method of Plant preservation
- Paper Chromatography

-X-X-X-X-X-X-