	[Time: Three Hours]	[Marks: 100]	
2. Figu	questions are compulsory. ures to the right indicate full marks. w neat and labelled diagrams wherever necessary.		
Q.1A i	Q.1A Choose the correct answer and Rewrite the sentence. i Sexual reproduction in Sargassum occurs through production of sex inside		
	a) airbladders b) conceptacle c) apical branches	d) cryptoblasts	
ii	Phaeophytes are commonly known as		
	a) green algae b) blue green algae c) brown a	lgae d) red algae	
iii	Anthoceros is a a) Algae b) Fungi c) Bryophyte d) Phaeophyte		
iv	In Funaria, each set of peristome consist of		
	a) 16 teeth b) 32 teeth c) 18 teeth d) 8- teeth v Asteraceae is characterised byinflorescence.		
v			
5	a) Capitulum (Head) b)Corymb c)Cymose d)Cyathium		
vi	The family leguminosae is divided into subfamilies. a) 2 b) 4 c) 3 d) 0		
vii	The family Amaranthaceae belongs to the series a) inferae b) bicarpellatae c) curvembryeae d) calycinae		
viii	Plants can also be collected in which is a tin box with lid. a) vasculum b) tray c) cylinder d) crate		
ix	The mobile phase in Paper Chromatography isa) Liquid b) Solid c) Gas d)		
X	A technique wherein there is migration of charged part under the influence of an electric field is called		

54654 Page 1 of 2

Paper / Subject Code: 79507 / Botany : Paper I

Q.1B	Answer in one or two sentences	10
i	Mention any two economic importance of brown algae	0,00
ii 	Mention the function of columella in capsule of <i>Anthoceros</i> .	400
iii	Describe papilionaceous corolla	VOL AS
iv	Mention any two rules of ICBN	
V	Name an equipment used for herbarium making.	
Q.2	Answer any two of the following.	20
i	Explain the alternation of generations in the life cycle of <i>Sargassum</i> .	
ii	Give an account of general characters of Phaeophyta.	
iii	With the help of diagram, describe the internal structure of sporophyte in Anthoceros	
iv.	Describe the external and internal structure of sporophyte <i>Funaria</i> .	
Q.3	Answer any two of the following.	20
i	Give classification, distinguishing characters and floral formula of sub family Caesalpinaceae.	
ii	Assign any two plants to their respective families giving reasons and give their economic importance	
	a) Eclipta alba	
	b) Mimosa pudica	
	c) Celosia argentea	
iii	Discuss the importance of Anatomy in relation to Taxonomy.	
iv	Give a detailed account on objectives and goals of plant systematics.	
Q.4	Answer any two of the following.	20
i i	Explain the principle and working of light microscope.	20
ii	Describe the dry method of plant preservation.	
iii	Write an account on paper chromatography & its applications	
iv	Explain the working and principle of Horizontal Electrophoresis	
5 1	Write short notes on any four.	20
	Systematic position of Sargassum	
ii	Vegetative reproduction in <i>Anthoceros</i>	
iii	Economic importance of family Palmae	
iv	Economic importance of subfamily Papilionaceae	
v	Advantages of chromatography	
vi	Wet preservation of plants.	
20 E V		
COY ON	₹\$\^`@¥\\$\.`\^`@\\\$\`@\`@\^	

54654 Page **2** of **2**