Please check whether you have got the right question paper.

N.B: 1. All	questions	are	compu	lsory.
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- 2. Figures to the right indicate full marks.
- 3. Draw neat and labelled diagrams wherever necessary.

Q.1 = A	A) Choose the <b>correct option</b> from the following:	10
	<ul><li>a. Fusion between gametes of unequal sizes is called</li><li>i) Isogamy ii)Anisogamy iii)Oogamy iv)Dichotogamy</li></ul>	
	b. Rhizoids in <i>Anthoceros</i> thallus are i) Unicellular ii) Multicellular iii) Tuberculated iv) Scale like	
	c. Stem like structure present in the <i>Funaria</i> thallus is called as i) Rhizoids ii) Phylloids iii) Meristem iv) Cauloid	
	d. Rank ending '-ceae' denotes i) Family ii) Division iii) Cohort iv) Class	
	e is father of Taxonomy. i) Carl Linnaeus ii) Charles Darwin iii) Janaki Ammal iv) Hargovind Khurana	
	f. Butea monosperma is commonly known as i) Pea ii) Gokarna iii) Supari iv) Palash	
	g. 'K' in floral formula refers to	
	h is used as stationary phase. i) Silica gel ii) Alumina iii) CaCO <sub>3</sub> iv) All of the above	
	i is used as preservative for plant specimens.  i) Glycerin ii) Formalin iii) Mercuric chloride iv) None of the above	
	in in vicionia in inverteure emonae in inverteure e	
	j. Electrophoresis works on the principle of of the charged molecules in the presence of electric field.	
	i) affinity ii) partition iii) differential migration iv) separation .	
.1 B)	Answer the following in one sentence:	10
	a. Which part of Anthoceros sporophyte shows presence of columella?	
	b. What is Protonema in <i>Funaria</i> ?	
	c. Define nomenclature.	
	d. Syngenesious anthers.	
	e. Define Chromatography	

e) Wet preservation

f) Staining dyes

000/	101.			
Q.2	Answe	er any two from the following:		20
Q.2	a)	Write down the classification of the Sargassum with appropriate reasons.		
	b)	Explain the life cycle of Sagassum and add a note on its economic importance.		
	c)	Write in detail about the alternation of generations in .1nthoceros life cylcle.		
	d)	Describe the internal structure of <i>Funaria</i> sporogonium.		
				20
Q.3	Answe	er any two from the following:		20
	a)			
	b)	Give a comparative account of sub-families of Leguminosae.		ı
	c)	Define plant nomenclature. Discuss the principles of International Code of	1 Botanica	}
		Nomenclature (ICBN).		
	d)	Assign the given plants to their respective families giving reasons and give it	s economic	1 4
		importance of Cocus nucifera and Acacia Arabica		
				20
Q.4	Answ	er any two from the following:		
	a)	Elaborate on significance of herbarium.		
	b)	Explain in detail working of light microscope		
	c)	Discuss any two types of paper chromatography		
	d)	Give a detail on component of Horizontal gel electrophoresis.		
				20
Q.5	Write	e Short notes on (any four):		
	a			
	b	,		
	c			
	d	) Taxonomy in relation to Anatomy.		