7/10/2022

a) Slime poresb) Chemotaxis

VCD-	S.Y.BSc Semester III Botany I 100 Marks 3 Hrs.
spaler brasil	N.B: 1. All questions are compulsory.  2. Figures to the right indicate full marks.  3. Draw neat and labelled diagrams wherever necessary.
Q.1	A) Choose the <b>correct option</b> from the following:     a. Sargassum belongs to the Class     i) Phaeophyceae ii) Chlorophyceae iii) Bacillariophyceae iv) Rhodophyceae
	b. Nostoc colonies are characteristically found in the thallus of i) Riccia ii) Marchantia iii) Anthoceros iv) Pellia
Z annog	c. Protonema is the stage of haploid generation in Funaria.  i) Adult ii) Juvenile iii) Sporophytic iv) Saprophytic
	d. Ray and disc floret are present in the family  i) Leguminosae ii) Asteraceae iii) Amaranthaceae iv) Palmae
	e. In hypogynous flowers, the ovary is  i) Superior ii) Inferior iii) Semi-inferior iv) Semi-superior
	f. According to the principle of the International code of Nomenclature for algae, fungi, and plants: The application of name is determined by means of  i) Taxonomic type ii) Nomenclatural Type iii) any specimen iv) Herbarium
	g. is a technique where samples separate due to the presence of an electric field. i) Chromatography ii) Centrifugation iii) Electrophoresis iv) Colorimetry
	h. If the magnification of the eyepiece (lens) is 10x and that of the objective piece(lens) is 45x, what will be the magnification?  i) 450x ii) 150x iii) 100x iv) 1000x
	<ul> <li>i is called the father of Chromatography.</li> <li>i) Gregor Mendel ii) Michael Tswett iii) Luca Ghini iv) Carl Linnaeus</li> </ul>
	<ul> <li>j. For keeping the plant materials fresh before pressing it is stored in a</li> <li>i) Plastic pouch ii) Wooden Box iii) Vasculum iv) Bottle</li> </ul>
Q.1	B) Answer the following in one sentence:

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Q.2	c) What is plant taxonomy? d) Give the principle no. 1 of International code of Nomenclature for algae fungi and plants e) Plant Press for herbarium  Answer any two from the following:	S.
	<ul> <li>a) Describe alternation of generations in Sargassum and enlist the economic importance of Sargassum.</li> <li>b) Give a general account of the class Anthocerotae.</li> <li>c) Describe the internal morphology of sporophyte in Anthoceros.</li> <li>d) Describe the external and internal morphology of Funaria.</li> </ul>	20
Q.3	Answer any two from the following:	
	<ul> <li>a) Give classification, distinguishing characters, floral formula of family Asteraceae.</li> <li>b) Assign the given plants to their respective families giving reasons and give its economic importance of Phoenix sylvestris and Saraca asoca</li> <li>c) Taxonomy in relation to Palynology and Anatomy</li> <li>d) Give comparison of three sub-families of Leguminosae.</li> </ul>	20-
Q.4	Answer any two from the following:	
		20
Q.5	Vrite Short note on (any four):	
* 1 del	<ul> <li>a) T.S. of axis in Sargassum</li> <li>b) Vegetative reproduction in Anthoceros.</li> <li>c) Papilionaceous corolla.</li> <li>d) Any 4 plants from the family Arecaceae with their economic importance.</li> <li>e) Role of herbarium</li> </ul>	26
	f) Types of paper chromatography	