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SYBSC Botany-CBSGS-SEM-III

Paper-I-Revised

Date of Exam - Oct- 2018

Code- 54654 (. . .) ; Solution

Q.1A	Choose the correct answer and Rewrite the sentence.	10
i	b. Conceptacle.	
ii	c) brown algae	
iii	c) Bryophyte	
iv	a) 16 teeth	
v	a) Capitulum (Head).	
vi	c) 3	
vii	c) curvembryeae	
viii	a) vasculum	
ix	a) Liquid	
x	a) Electrophoresis	
Q.1B	Answer in one or two sentences	
i	As food, as fodder, in agriculture.	10
ii	To support sporophyte.	2
iii	papilionaceous corolla-5 petals. polypetalous, standard, two wings, 2-carina.	2
iv	Any two rules of ICBN	2

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v	Trowel, pruning knife.	2
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Q.2	Answer any two of the following.	20
i	Alternation of generation in <i>Sargassum</i> with cycle drawn	10
ii	<i>General characters of Phaeophyta</i>	10
iii	The internal structure of sporophyte in <i>Anthoceros</i> - foot, intercalary zone, capsule, capsule wall, sporogenous tissue, columella. diagram	8 2
iv	Sporophyte of <i>Funaria</i> diagram	8 2
Q.3	Answer any two of the following.	20
i	classification, distinguishing characters and floral formula of subfamily Caesalpinaceae.	10
ii	Any two plants a) <i>Eclipta alba</i> - Asteraceae b) <i>Mimosa pudica</i> - Sub family Mimosae c) <i>Celosia argentea</i> - Amaranthaceae	5 5
iii	Anatomy in relation to Taxonomy- leaf, petiole, wood anatomy	10
iv	objectives and goals of plant systematics.	10
Q.4	Answer any two of the following.	20
i	principle working of light microscope	3 7
ii	dry method of plant preservation-by herbarium by natural or artificial heat method	5 5
iii	paper chromatography description applications	6 4
iv	principle of Horizontal Electrophoresis working	3 7

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	Write short notes on any four.	20
i	Systematic position of <i>Sargassum</i>	5
ii	Vegetative reproduction in Ferns <i>Anthoceros</i>	5
iii	Economic importance of family Palmae	5
iv	Economic importance of subfamily Papilionaceae	5
v	Advantages of chromatography	5
vi	Wet preservation of plants.	5