# STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086 (For candidates admitted during the academic year 2015 – 2016 & thereafter)

**SUBJECT CODE: 15BT/MC/TE34** 

### B. Sc. DEGREE EXAMINATION, NOVEMBER 2017 BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY THIRD SEMESTER

MAJOR - CORE

COURSE

PAPE			XONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY			
TIME		: 3 HO	URS	IV.	IAX. MARKS: 10	U
				SECTION – A		
		L QUESTIC			(18 marks)	
		correct answ				(5x1=5)
1. L		-	assification is	(-) F:-1?-	(4)41	
2 т	(a) artif		(b) phylogenic	. ,	(d) natural	
2. 1		ype		by the author as the nome (c) paratype	(d) holotype	
3. 1			pelongs to the fa		(d) horotype	
	-	_	(b) asclepiada	=	(d) lamiaceae	
4		is th	ne citrus family.			
5. C	` '		(b) Apiaceae textile fibre incl	(c) Rutaceae uded in the category	(d) Caesalpinace	ae
	(a) Soft	fibres	(b) natural fibr	res (c) surface fibres	(d) hard fibres	
II. Fill in the Blanks						(5x1=5)
6.	Benthan	n and Hooker	published their	system of classification is	n	
7.7	Γhe grea	test herbariur	n of the world is	at the		
8.	Petals ar	re ascendingl	y imbricate in	·		
9.	The char	racteristic inf	lorescence of La	miaceae family is	·	
10.	In Cum	inum cyminui	n are	e used as spice and condi-	ment.	
		ie or False	necimens are arr	anged according to APG	III system of classit	(4x1=4)
	•	-			•	
				ave a hook – like projecti	on, known as ejacu	lator in their seeds
13.	Cannab	<i>ois sativa</i> leav	es are the source	e of a resin charas.		
14.	The spe	ecific name m	ust differentiate	a plant from all allied sp	ecies.	
V. M	atch the	following				(4x1=4)
		catechu	-	Apiaceae		(122-1)
16.	Sims p	ark	-	Kattha		
17	Corian	der	-	Hesperidium		
18.	Orang	e	-	Coonoor		

#### VI Answer any six in 50 words. Each answer should not exceed 50 words.

(6x3=18)

- 19. Draw a floral diagram of a typical actinomorphic flower.
- 20. Drupe
- 21. Rapinat herbarium, Trichy, TN
- 22. Author citation
- 23. Stamen of Annonaceae
- 24. Draw a solanaceae flower and its parts.
- 25. Draw an orchid flower and its parts.
- 26. Write the botanical names of Fenugreek, Bay leaves and Nutmeg.
- 27. Uses of Olibanum.

#### SECTION - B

## ANSWER ANY FOUR QUESTIONS IN 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY: (4X6=24)

- 28. Write the outline classification of APG III system of classification.
- 29. Briefly discuss about International rules of Botanical Nomenclature.
- 30. W rite about the floral characters of Rubiaceae.
- 31. List out the economic importance of Cucurbitaceae.
- 32. Briefly discuss about inflorescence of Poaceae.
- 33. Explain about gums.

#### SECTION - C

### ANSWER ANY TWO QUESTIONS IN 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY: (2X20=40)

- 34. Describe the Herbarium techniques.
- 35. Write a comparative account on the floral characters of Apocynaceae, Acanthaceae and Lamiaceae.
- 36. Write the Bentham and Hooker's classification. Add a note on its merits and demerits
- 37. Write an essay on Fumitories and Masticatories.

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