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

**SUBJECT CODE: 15BT/MC/PE34** 

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

<b>COURSE</b>	:	MAJOR – C	CORE	
<b>PAPER</b>	:	PHYTOTHI	ERAPY & ETHNOBO	OTANY
TIME	:	3 HOURS		<b>MAX. MARKS: 100</b>
			SECTION – A	
ANSWER A	ALL OII	FSTIONS	SECTION - A	(18 marks)
I. Choose th	_			(5x1=5)
			as not isolated from a na	
	uinine	wing drugs we	us not isolated from a ne	b) Morphine
c) Isoniazid				d) Artemisinin
		acted from whi	ch plant?	a) i intermediani
	adiracht		en prant.	b) Pongamia glabra
c) Cinnamomun zeylanicum				d) Phyllanthus amarus
		part of <i>Aloe ve</i>		a) 1 raywarining containes
a) Le		part of thoc ve		b) Whole plant
c) Ro				d) Flower & fruit
,		its are found in	1	a) Trower at Trait
*	nblica of		•	b) Terminalia
	per longi			d) Myrstica fragrans
		ina is used to	treat	a, may accept any and
	abetes			b) Cancer
,	ypertensi	on		d) AIDS
II. Fill in the Blanks				(5x1=5)
			is	(0:112 0)
			medicine.	
			ntment of	
			icine which originated i	
				the body to relieve soreness and
inflammat		- · · · · · ·	TI	
III. Write T	rue or F	'alse		(4x1=4)
11. Kayakal	lpa is a se	et of therapies	mentioned in Vedic tex	ts that can reverse physical
degener	-	-		1 0
_			als and aromatic plant of	oils, including essential oils, and
		-	proving psychological of	<del>-</del>
	-	· •	an external application	
		e father of Ayu	* *	
11		·		
V. Match t	the follov	wing		(4x1=4)
15. Catharai		0	Curcurmin	,
16. Azadirac	chta indic	ea -	Vincristin	
17. Zingiber	officinal	is	Azadirachtin	
18. Curcumo			Gingerol	

## VI Answer any six in 50 words. Each answer should not exceed 50 words. (6x3=18)

- 19. Irula tribes
- 20. Dhanvantari
- 21. Prakruti
- 22. Role of Dhatu
- 23. Ethnobotany
- 24. Ethnocosmetics
- 25. Traditional knowledge
- 26. Siddhars
- 27. Tridosha

#### SECTION - B

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

- 28. Discuss the role of adulterants used in the herbal industry.
- 29. Enumerate upon the types of herbal preparations that you have studied.
- 30. What are the basic principles of Siddha?
- 31. Highlight the importance of herbal products in the cosmetic industry.
- 32. Elaborate upon the methodologies used in ethnobotanical research.
- 33. What is a crude drug and how can it be analysed?

#### SECTION - C

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

- 34. Write an essay on the role of ethnobotany in biodiversity conservation.
- 35. Discuss the role of Ayurveda in Beauty Care.
- 36. Describe the active principles and medicinal properties of
  - a) Curcuma longa b) Ocimum sp. c) H
    - c) Piper longum d) Azadirachta indica
- 37. Write an essay bringing out how ethnobotany has led to modern drug discovery. Cite examples.

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