

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2008-09)

SUBJECT CODE: BT/MC/PE33

B. Sc. DEGREE EXAMINATION, NOVEMBER 2009
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR – CORE
PAPER : PHYTOTHERAPY & ETHNOBOTANY
TIME : 2 ½ HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL QUESTIONS

I Fill in the Blanks **(1x4=4)**

1. The dry powder of plants is known as _____
2. Ajmalicine is a compound extracted from the roots of _____
3. _____ is the father of ethnobotany in India
4. The tribe which specializes in snake catching is _____

II Match the following **(1x4=4)**

- | | |
|--------------------------------|-------------------------|
| 5. Arishtam | a. Longevity medicine |
| 6. <i>Terminalia bellerica</i> | b. Fermented drug |
| 7. Kayakalpa | c. A Siddhar |
| 8. Bogar | d. A source of triphala |

III Define the following in a sentence **(1x4=4)**

9. Carminative
10. Astringent
11. Emetic
12. Diuretic

IV Give vernacular name, one active principle and important medicinal use for the following **(2x4=8)**

13. *Aloe vera*
14. *Datura stramonium*
15. *Terminalia chebula*
16. *Eclipta alba*

V Answer any six in 50 words

(6X3=18)

17. Pitha
18. Leghyam
19. Adulterant
20. Fenugreek
21. Todas
22. Salads
23. Eighteen Siddhars
24. Travelogues
25. Panchakarma

SECTION – B

ANSWER ANY FOUR QUESTIONS IN 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:

(4X8=32)

26. How do you prepare Bhasmam, Tailam and Decoction?
27. Discuss the philosophy of Panchabhutas in relation to human body and drugs.
28. What tips will you provide to enhance beauty as a daily routine?
29. Explain the importance of herbaria as a source of ethnobotanical research.
30. What are essential oils? List any three cosmetic uses of them?
31. Write short notes on Curcumin, tylophorine, phyllanthin and piperine

SECTION – C

ANSWER ANY TWO QUESTIONS IN 800 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:

(2X15=30)

32. Who are Kurumbas? Where do they live? How do they use plants around them?
33. Discuss the role of sacred groves in conserving endangered native plants.
34. What are the parameters you will adapt to standardize drugs of the Indian System of Medicine? Discuss.
35. Bring out the relationship between ethnobotanical studies and health care.
