

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2011 – 12 & thereafter)
SUBJECT CODE: 11BT/MC/PE33

B. Sc. DEGREE EXAMINATION, NOVEMBER 2014
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR – CORE
PAPER : PHYTOTHERAPY & ETHNOBOTANY
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL QUESTIONS

(18 marks)

I. Choose the correct answer

1. The elements associated with Vatha are
(a) Fire & air (b) Space & Earth (c) Space & air (d) Space & Fire
2.is the chemical constituent of Datura
(a) Acalyphine (b) Atropine (c) Aflotaxin (d) Amorphine
3. Which of the following is an ingredient of chewing gum?
(a) Tylphora (b) Trigonella (c) Cinnamomum (d) Catheranthus
4. Use of essential oils in massaging is called
(a) Aromatherapy (b) Magnetotherapy (c) Homeopathy (d) None of these
5. The well known endemic genera of Indian flora is
(a) Elettaria (b) Aegle (c) a & b (d) none of these

II. Fill in the Blanks

6. is the vernacular name of Terminalia belerica.
7. The term Ethnobotany was coined by
8. are the areas very rich in endemic species
9. The active principle in Piper Longum is.....
10. is the collection of endangered flora.

III. Write True or false

11. The vernacular name for *Emblica officinalis* is Kovakai
12. Bees wax is used in the preparation of Thailam.
13. Ethnobotany has no relevance to sociology.
14. The morphology of the useful part in Hibiscus is the flower.

V. Match the following

- | | | |
|---------------------------------|---|---------------|
| 15. <i>Curcuma longa</i> | - | Lamiaceae |
| 16. <i>Rauwolfia serpentina</i> | - | Liliaceae |
| 17. <i>Asparagus racemosus</i> | - | Apocynaceae |
| 18. <i>Ocimum sanctum</i> | - | Zingiberaceae |

VI Answer any six in 50 words**(6X3=18)**

- 19. Tridhosha
- 20. Adulteration
- 21. Irula
- 22. Turmeric
- 23. Biodiversity
- 24. Dhatu
- 25. Standardisation of drugs.
- 26. Sarpagandha
- 27. Tribal food

SECTION – B

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

(4X6=24)

- 28. Explain the preparation of Thailam with an example.
- 29. Discuss the scope of Ethnobotany.
- 30. Give the binomial, family, useful parts and any 6 medicinal plants used by tribals in India.
- 31. Explain the medicinal uses of *Ocimum*.
- 32. What is Biodiversity ? Bring out the values of Biodiversity.
- 33. What is the useful part in Ginger ? Write any 8 medicinal uses of Ginger.

SECTION – C

ANSWER ANY TWO QUESTIONS IN 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:

(2X20=40)

- 34. How will you prepare Chooranam and Leghiyam. Explain it with one example for each.
- 35. Give the systematic position, active principles and medicinal uses of Neem.
- 36. Write an essay on ex-situ and in-situ conservation of plants.
- 37. Who are Todas? Explain their traditional knowledge on medicinal plants and treatment.
