

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2010 - 11)

SUBJECT CODE: BT/MC/PE33

B. Sc. DEGREE EXAMINATION, NOVEMBER 2011
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 (18 marks)

I. Choose the correct answer

1. Which is playing an important role in maintaining eyesight?
(a) phlem (b) bile (c) gas (d) water
2. The fruit of Terminalia chebula is referred to as _____
(a) nutmeg (b) clove (c) myrobolan (d) sarpagandha
3. Who initiated researches on ethnobotany?
(a) S.K.Jain (b) Sanjappa (c) E.K.Janaki Ammai (d) Vajravelui
4. *Santalum album* contains essential oil in its
(a) leaves (b) sapwood (c) bark (d) heartwood
5. Which one of the following forms a base in the preparation of creams.
(a) benzoin (b) henna (c) wax (d) oil

II. Complete the following

6. The father of Siddha medicine is _____.
7. The genus *Cinnamomum* belongs to the family _____.
8. _____ and _____ are textbooks of Ayurveda.
9. Essential oils are insoluble in _____.
10. Salves are _____ based preparation.

III. State Whether the following are True or False

11. Siddha system is mainly practiced in Tamilnadu.
12. *Eclipta alba* belongs to the family Asteraceae.
13. Sophistication is a form of adulteration.
14. Churnam is a paste-form drug.

IV. Match the following

- | | | |
|------------------------|---|---------------|
| 15. Sacred groves | - | Jaundice |
| 16. Ethnobotany | - | Essential oil |
| 17. <i>Cymbopogon</i> | - | Tribals |
| 18. <i>Phyllanthus</i> | - | Conservation |

V Answer any six in 50 words

(6X3=18)

19. Malas
20. Agni
21. Tridosha
22. Herbaria
23. Uses of Curcuma Longa
24. Role of Aloe Vera in Cosmetics
25. Sacred groves
26. Todas
27. Active principle of Rauwolfia serpentina.

SECTION – B

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

(4X6=24)

28. Comment any three drug preparation with examples
29. Write the vernacular name, binomial, family, active principle, useful part and medicinal uses of any two roots.
30. Briefly discuss any three methodologies of ethnobotanical research.
31. Comment on the following
 - a. Essential oils
 - b. Salads
32. Write a note on the following diseases
 - a. Menorrhagia
 - b. Asthma
 - c. Ringworm
33. Distinguish between
 - a. Infusion and Decoction
 - b. Poultice and Compresses

SECTION – C

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

(2X20=40)

34. Discuss the basic principles of Ayurveda and Siddha systems of Medicine.
35. Write the vernacular name, Binomial, family, active principles, Morphology of the useful parts and medicinal uses of two underground stems and two whole plants.
36. Write an essay on Korumba and Irula tribes.
37. Discuss the Microscopic and qualitative analysis of herbal drug with suitable examples.
