

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2004-05 & thereafter)

SUBJECT CODE: BT/MO/HM34

B. Sc. DEGREE EXAMINATION, NOVEMBER 2008
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR – OPTIONAL
PAPER : HERBAL MEDICINE
TIME : 3 HOURS

MAX.MARKS:100

SECTION – A

ANSWER ALL QUESTIONS

(18 marks)

I. CHOOSE THE CORRECT ANSWER:

- The term Ayurveda means
 - Science of life
 - Spiritual welfare
 - Science of healing
 - Herbal medicine
- The three humours of a living man are
 - Rasa, Rakta, Mana
 - Meda Asthi, Pitta
 - Vata, Pitta, Kapha
 - Vata, Pitta,
- The alkaloid present in *Datura stramonium* is
 - Stramonin
 - Hyoscyamin
 - Reserpine
 - Serpentine
- The plant that is useful for promotion of memory is
 - Saraca indica*
 - Allium cepa*
 - Eclipta alba*
 - Centella asiatica*

II. STATE WHETHER TRUE OR FALSE:

- In Siddha medicine our body is made up of four elements.
- The alkaloid present in *Neem* is *Nimbidin*.
- The bark of *Cinchona* is used in the treatment of malaria.
- Febrifuge is drugs that reduce raised body temperature.
- In *Eugenia* the bark is used for the preparation of drug.

III. FILL IN THE BLANKS:

- _____ is a disease that affects the genitourinary system.
- The plant _____ is used for the treatment of jaundice.
- The common name for *Vinca rosea* is _____.
- In Ayurveda powdered form of drug is known as _____.
- The fruits of *Embllica officinalis* are used for the treatment of _____.

IV. MATCH THE FOLLOWING

- Ayurveda - Agastiyar
- Pharmacopoeia - Clove oil
- Siddha - Charaka
- Sesquiterpene - Official code
Ergot

V. ANSWER ANY SIX OF THE FOLLOWING EACH IN ABOUT 50 WORDS: (6X3=18)

19. Panchamabhutas
20. Dhatu
21. Aromatherapy
22. *Piper longum*
23. Ulcer
24. Dandruff
25. Essential oils
26. Alkaloids
27. Astringent

SECTION – B

ANSWER ANY FOUR QUESTIONS. EACH ANSWER NOT TO EXCEED 200 WORDS. (4X6=24)

28. What are the advantages of cultivation of drug yielding plants?
29. Give the binomial and family of a plant where galls are used for preparing drug. Write about the distribution, chemical constituent and medicinal use of the drug.
30. Explain the importance of salads in beauty care.
31. Write about the basic principles of Siddha medicine.
32. What do you mean by acquisition of diagnostic characters? Explain.
33. What are the active principles present in different drugs? Give an example for each.

SECTION – C

ANSWER ANY TWO QUESTIONS. EACH ANSWER NOT TO EXCEED 1000 WORDS. (2X20=40)

34. Explain the various methods of adulteration of crude drugs with examples and methods of detection.
35. Explain the herbal remedies for the following common diseases that affect
a) Respiratory system b) Skin c) Cardiovascular Haemportie system
36. Explain the various methods of preparation of drugs.
37. Explain the parts used, collection, drug preparation, chemical constituent and medicinal uses of the following plants.
a) *Rauwolfia serpentina* b) *Vitex negundo* c) *Strychnos nuxvomica*
d) *Terminalia belirica*.
