



24. Discuss the major reasons for the extinction of medicinal plants.
25. Give an account of three plants used as resource in modern medicine. Mention their pharmacological action.
26. What are the endangered Indian medicinal plants ? (6x2=12)

SECTION - E

Answer **any one**. Essay type questions, **each** carries a weightage of **4**.

27. Give a comparative account on the cultivation of *Glycyrrhiza glabra* and *Acorus calamus*.
28. Discuss the importance of selected plants of traditional medicine which serve as resource for modern medicine. Write their scientific name, family and active principle.
29. What are the various systems of traditional medicine ? Give an account of their role in the field of medicine. (1x4=4)



Reg. No. :

Name :

VI Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.)

Examination, May 2016

CORE COURSE IN BOTANY/PLANT SCIENCE

6B15 BOT/PLS (1) : Medicinal Botany

(Elective) (2012 Admn. Onwards)

Time : 3 Hours

Total Weightage : 30

SECTION - A

Answer **all**. Questions in bunches of **four**, **each** bunch carries a weightage of **1**.

1. Choose the correct answer.

- i) The useful part of *Rauvolfia serpentina* is
 a) Leaf b) Root c) Rhizome d) Flower
- ii) Resin is obtained from
 a) *Azadirachta indica* b) *Ocimum sanctum*
 c) *Aegle marmelos* d) *Ferula azafotida*
- iii) Name the family to which *Leucas aspera* belongs
 a) Lamiaceae b) Malvaceae
 c) Rutaceae d) Poaceae
- iv) Repeated diluting is related to
 a) Siddha b) CMPR c) Homeopathy d) Unani

2. State true or false.

- i) Organoleptic evaluation of drug is carried out with the help of sensory organs.
- ii) Cinnamon belongs to the family Myrtaceae.
- iii) Quinine is a flavenoid.
- iv) CDRI is located at Lucknow.



3. Fill in the blanks.

- i) *Tinospora cordifolia* belongs to the family _____
- ii) _____ is the source plant of liquorice.
- iii) CIMAP is located at _____
- iv) _____ plant is called Aswagandha.

4. Rearrange column **B** and **C** to match column **A**.

A	B	C
Rhizome	<i>Saraca indica</i>	Antiseptic in skin disease
Leaves	<i>Rauwolfia serpentina</i>	Used in asthma and bronchitis
Root	<i>Adhatoda vasica</i>	Ashokarishtam
Bark	<i>Curcuma longa</i>	Remedy for nervous breakdown

5. Answer in **one** word or in **one** sentence.

- i) Siddha medicine
- ii) Tridhoshic concept
- iii) Adulteration
- iv) AYUSH.

(5×1=5)

SECTION – B

Answer **any four**. Differentiate the following. **Each** carries a weightage of 1.

6. Organized and unorganized drugs.
7. Phytotherapy and phytochemistry.
8. Unani and Homeopathy.
9. Tylophorine and liquorice.
10. NMPB and CIMAP.

(4×1=4)



SECTION – C

Answer **any five**. Short answer questions. **Each** carries a weightage of 1.

11. Explain Indian Pharmacopoeia.
12. Mention three chemical compounds present in Neem.
13. Name two plants where drugs are obtained from bark.
14. Write the botanical name and family of the plant which is commonly called 'Amruthu'.
15. Mention the families to which the following plants belong.
 - 1) Amla
 - 2) Brahmi
16. Write the botanical names of the components of Triphala.
17. What are the suitable conditions for the cultivation of Aloe vera ? (5×1=5)

SECTION – D

Answer **any six**. Short answer questions, **each** carries a weightage of 2.

18. Write an account on the scope of ethnomedicine.
19. Mention the significance of pharmacognosy.
20. Write an account on resins and mention the botanical name of the source plant you have studied.
21. Mention the medicinal importance of *Sida rhombifolia*.
22. Write the botanical names of two medicinal plants of Lamiaceae.
23. What are the activities of NMPB ?