

B. Sc. DEGREE EXAMINATION, NOVEMBER 2016
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 (5x1=5)

- Churnam is in the form of
a) Wax b) Liquid c) Powder d) Solid
- The chemical constituent ajmaline is obtained from
a) *Asparagus* b) *Zingiber* c) *Rauwolfia* d) *Tylophora*
- The major ingredient of Chawanprash is
a) Aswaganda b) Hibiscus c) Neem d) Goose berry
- Ex situ conservation refers to
a) conservation in natural parks b) conservation in gene banks
c) conservation through sacred grooves d) conservation in botanical gardens
- Aromatherapy is believed to stimulate
a) hair growth b) glamour to the skin c) good vision d) brain function

II. Fill in the Blanks (5x1=5)

- A drink prepared by soaking of leaves is called_____.
- The whole plant of _____ is used to prepare herbal hair dye.
- Tylophora asthmatica* belongs to the family_____.
- The brain nutritional syrup is_____.
- Dhatu is otherwise called as_____.

III. Write True or False (4x1=4)

- A soft material applied to the body to relieve soreness and inflammation is called Poultice.
- The leaves of Neem is a good Moisturizer.
- Irulas are from the Dravidian family.
- There are seven dhatus in our body.

V. Match the following (4x1=4)

- Basman - Ointment
- Salves - Ash
- Poultice - Drug
- Ocimum - Flour

VI Answer any six in 50 words . Each answer should not exceed 50 words.

(6x3=18)

19. Define compresses with examples.
20. What is Tridosha? Add a note on it.
21. Write the active principle, binomial and family name of Nutmeg.
22. Write the active principle and medicinal uses of *Pongamia glabra*.
23. Comment on Liv 52.
24. Define Ethnobotany and Biopiracy.
25. Write any six uses of Aromatherapy.
26. Mention the types of Dhatus.
27. What is Essential oil? Mention any three examples.

SECTION – B

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

(4X6=24)

28. Give the procedure to prepare any one herbal cream.
29. Give a brief account on the qualitative analysis of herbal drugs.
30. List the active principles, scientific name and medicinal uses of Fenugreek, Turmeric and Amla.
31. Write the binomial, family and active principle names of any two roots.
32. Give a brief account on Irula Tribes.
33. Discuss any two methodologies of Ethnobotanical research.

SECTION – C

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

(2X20=40)

34. Discuss Adulteration, Detection and Standardization of herbal drugs.
35. Write an essay on Bioprospecting and commercial use of Traditional Knowledge.
36. Give a detailed account on the role of Ethnobotany in conservation of Biodiversity.
37. Discuss the role of Traditional knowledge in relation to Intellectual property and Biopiracy.
