

B. Sc. DEGREE EXAMINATION, NOVEMBER 2022
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR – CORE
PAPER : PHYTOTHERAPY AND ETHNOBOTANY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL QUESTIONS

(18x1=18 marks)

I. CHOOSE THE CORRECT ANSWER

(5x1=5)

1. Arishtam is in the form of
a) Decoction b) Ash c) Powder d) Juice
2. The biological source of bark is obtained from
a) *Zingiber* b) *Piper* c) *Aloe* d) *Cinnamomum*
3. Choornam is in the form of
a) Decoction b) Ash c) Powder d) Juice
4. The occupation of Irula tribes is
a) Snake catching b) Honey selling c) dry fruits selling d) milk products-selling
5. The infusion is
a) extract from hardwood b) extract from softwood
c) extract from flowers d) extract from dry fruits

II. FILL IN THE BLANKS

(4x1=4)

6. Bhasma, is an ayurvedic ----- preparation treated with herbal juice.
7. The scientific name for fenugreek is -----.
8. Memory plus is a ----- medicine.
9. The conservation of ecosystems in their natural surroundings are called -----.

III. STATE WHETHER TRUE OR FALSE

(5x1=5)

10. Leghyam are jam like medicines.
11. The herbal paste, directly applied to the wounded area is called compresses.
12. Dhatu is related with beauty.
13. Irula tribes are a Dravidian Ethnic group.
14. Coconut oil is an essential oil.

IV. MATCH THE FOLLOWING

(4x1=4)

15. Salves - Body
16. Thippili - Ghee
17. Leghyam - Beewax
18. Prakruti - Thirikadugu choornam

V. ANSWER ANY SIX IN 50 WORDS.**(Each answer should not exceed 50 words.)****(6x3=18)**

19. What is Tridosha concept.
20. Write the basic principle of Ayurvedha and Siddha system of medicine.
21. Mention any three good manufacturing practices of herbal drugs.
22. Define and write the scope of ethnobotany.
23. Define Biopiracy.
24. Write the preparation of any one herbal tooth powder.
25. Write the requirements to prepare any one herbal tea and its uses.
26. What is aroma therapy? Give an example.
27. Give a brief note on facial herbal products.

SECTION – B**ANSWER ANY FOUR QUESTIONS IN 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:****(4x6=24)**

28. Write a procedure to prepare any one herbal thailam and mouthwash.
29. How to validate the herbal drug? Discuss.
30. Mention the scientific name, family and active principle of aloe and cinnamon.
31. Write notes on Memory plus and Pankajakasturi.
32. Distinguish between Ex-situ and In-Situ conservation with an example.
33. Describe the lifestyle of Irula tribes.

SECTION – C**ANSWER ANY TWO QUESTIONS IN 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:****(2x20=40)**

34. Give a detailed account on Adulteration and standardization of herbal drugs.
35. Write the binomial, family, active principle and medicinal uses of sarpaganda, ginger, shoe flower, long pepper and neem.
36. Discuss the different methodologies of ethnobotanical research and Bioprospectation.
37. Write an essay on traditional knowledge in relation to Intellectual Property Rights (IPR).
