

B. Sc. DEGREE EXAMINATION, NOVEMBER 2018  
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)

1. Father of medicine  
a. Hippocrates                      b. Aristotle                      c. Linnaeus
2. In *Piper longum* the useful part is  
a. fruit                                  b. rhizome                      c. leaves
3. The collection of dried plants are known as  
a. herbarium                      b. museum                      c. vasculum
4. An example for an *Ex- situ* conservation is  
a. botanical garden              b. zoo                              c. museum
5. Aloe gel is obtained from  
a. *Allium cepa*                      b. *Allium sativum*              c. *Aloe vera*

II. Fill in the Blanks

(5x1=5)

6. Father of natural history\_\_\_\_\_.
7. Margosa oil is obtained from\_\_\_\_\_.
8. *Ocimum* oil is extracted from\_\_\_\_\_.
9. The tribes related to ethnobotanical studies are\_\_\_\_\_.
10. \_\_\_\_\_ is the study of people of a particular culture and region by making use of indigenous plants.

III. Write True or False

(4x1=4)

11. Drying technique is the kind of preservation.
12. Reserpine is obtained from *Rauwolfia*.
13. Citric acid is otherwise called as vitamin C
14. Chawanaprash is an hair oil.

V. Match the following

(4x1=4)

15. Tridosha                      -              bark
16. Cinnamomum              -              choornam
17. Aromatherapy              -              vatta, pitta, kaba
18. Pankajkasturi              -              scented bath

**VI Answer any six in 50 words. Each answer should not exceed 50 words. (6x3=18)**

19. Write short notes on panchamahabhutas
20. Siddha medicine
21. Uses of *Curcuma longa*
22. *Phyllanthus amarus*
23. Ethnobotany
24. Biopiracy.
25. Natural habitats.
26. Conservation of biodiversity
27. Role of dhatu in physical beauty.

#### **SECTION – B**

**ANSWER ANY FOUR QUESTIONS IN 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY: (4X6=24)**

28. Write about the basic principles of Ayurveda.
29. Give a note on *Pongamia glabra*.
30. Describe about the ethnobotanical studies of irula tribes.
31. Explain the importance of *in-situ* conservation.
32. Write about the significance of hair care herbal products.
33. Write a note on essential oils studied by you.

#### **SECTION – C**

**ANSWER ANY TWO QUESTIONS IN 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY: (2X20=40)**

34. Write an essay on adulteration and detection techniques.
35. Write in detail about the importance and the medicinal uses of underground stems you studied.
36. Write an essay on *ex-situ* conservation of biodiversity.
37. Give a detailed account on aroma therapy.

**\*\*\*\*\***