

Roll No.

Total No. of Questions : 5]
(2034)

[Total No. of Printed Pages : 4

UG (CBCS) IIIrd Year Annual Examination
3011

B.SC. BOTANY

(Medicinal Botany and Ethnobotany)

(SEC-I)

Paper : BOTA 306

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt *five* questions in all. Q. No. 1 is compulsory.
Attempt *one* question each from Sections B, C, D
and E.

Section-A

(Compulsory Question)

1. (a) (i) The term Ethnobotany was coined by
.....
- (ii) Ayurveda literally means
- (iii) Bodh or Bhot tribe speaks
language.

(iv) Botanical name of Bael is :

- (a) *Saraca indica*
- (b) *Aegle marmelos*
- (c) *Madhuca longifolia*
- (d) *Santalum album*

(v) Which plant is known as king of dyes ?

- (a) *Pongamia pinnata*
- (b) *Indigofera tinctoria*
- (c) *Vitex negundo*
- (d) *Gloriosa superba*

(vi) The headquarter of IUCN Red List is located in

(vii) Write down the source of reserpine ?

(viii) Expand CBD.

(ix) The national forest policy was adopted in the year

(x) Define traditional knowledge. 1×10=10

(b) Write brief notes on any *two* of following :

(i) Importance of Ethnobotany

- (ii) Gonds tribe
- (iii) Medicinal uses of Tauxs
- (iv) Intellectual property rights

2×2=4

Section-B

2. Write a detailed note on Ethnobotany as an interdisciplinary science and its relevance.

Or

Define tribe. Write a detailed note on major tribes in India.

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Section-C

3. (a) Write a detailed note on resins and oils plants used by the tribals.
- (b) What is sacred grove ? How it plays role in conservation of plants ?

7,7

Or

- (a) Define Herbarium and its role in Ethnobotanical study.
- (b) Write note on role of field work and collection of data in Ethnobotany.

7,7

Section-D

4. Discuss the significance of the following plants in Ethnobotanical practices along with their habitat and morphology :

- (a) *Ocimum sanctum*
- (b) *Azadirachta indica*
- (c) *Taxus wallichiana*
- (d) *Trichopus zeylanicus*

3½×4=14

Or

Explain the role of ethnic groups in conservation of plant genetic resources.

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Section-E

5. (a) What do you understand by participatory forest management ? Explain.
- (b) What is traditional knowledge ? Write a note on Kani tribe case.

7,7

Or

What is Biopiracy ? Discuss your answer with some examples of Indian bioresources.

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