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**KOLHAN UNIVERSITY, CHAIBASA  
JHARKHAND**



**Revised Curriculum and Credit Frame Work  
for SEM - II  
As per FYUGP, NEP-2020  
(U.G. Botany- 2022 Onwards)**

**UNIVERSITY DEPARTMENT OF BOTANY  
KOLHAN UNIVERSITY, CHAIBASA  
WEST SINGHBHUM, JHARKHAND - 833201**

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University Deptt. of Botany  
Kolhan University Chaibasa  
Jharkhand

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**UNIVERSITY DEPARTMENT OF BOTANY**

**Kolhan University, Chaibasa**

**Four-Year Under Graduate Programme (FYUGP)**

As per Provisions of NEP-2020 to be implemented from Academic Year 2022-23

**COMPOSITIONS OF BOARD OF STUDIES**

1. Dr. Krishna Pyare  
Head, University Deptt. of Botany  
Kolhan University, Chaibasa
2. Dr. Salomy Kujur  
Assistant Professor  
University Deptt. of Botany  
Jamshedpur Women's University, JSR
3. Mrs. Pushpa Salo Linda  
Assistant Professor  
Department of Botany  
Jamshedpur Worker's College, JSR
4. Dr. Vishnu Shankar Sinha  
Assistant Professor  
Department of Botany  
Tata College, Chaibasa
5. Dr. Dara Singh Gupta  
Assistant Professor  
University Deptt. of Botany  
Kolhan University, Chaibasa

*Dr. Krishna Pyare*  
03/06/2023

*Dr. Salomy Kujur*  
03.06.23

*Dr. Dara Singh Gupta*  
03/06/2023

*Dr. Krishna Pyare*  
03/06/2023

(Dr. Krishna Pyare)  
Chairman & Head  
University Deptt. of Botany  
Kolhan University, Chaibasa



**SEMESTER -II**  
**Paper Title – Minor Paper – 2 (MN-2A)**  
**CREDIT-04 [THEORY- 03 + PRACTICAL- 01]**  
**Ethnobotany**

**Course outcomes :---**

On completion of this course, the students will be able to:

1. Conceptualize ethnobotany as an interdisciplinary science
2. Restate the established methodology of ethnobotany studies
3. Categories various indigenous ethnic groups and their environmental practices.
4. Understand the legalities associated with ethnobotany.

**Full Mark - 60**

**Time: - 3 Hrs**

**Unit I: Ethnobotany**

**12 lectures**

Introduction, concept, scope and objectives; Ethnobotany as an interdisciplinary science. The relevance of ethnobotany in the present context; Major and minor ethnic groups or Tribals of India, and their life styles. Plants used by the tribals: a) Food plants b) intoxicants and beverages c) Resins and oils and miscellaneous uses.

**Unit II: Methodology of Ethnobotanical Studies**

**10 lectures**

- a) Field work
- b) Herbarium
- c) Ancient Literature
- d) Archaeological findings
- e) temples and sacred places.

**Unit III: Role of Ethnobotany in Modern Medicine**

**15 lectures**

Medico-ethnobotanical sources in India; Significance of the following plants in ethnobotanical practices (along with their habitat and morphology).

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- a) *Azadiractha indica*
- b) *Ocimum sanctum*
- c) *Vitex negundo.*
- d) *Gloriosa superba*
- e) *Pongamia pinnata*
- f) *Cassia auriculata*
- g) *Adhatoda vasica*

#### Unit IV: Ethnobotany and Legal Aspects

8 lectures

Ethnobotany as a tool to protect interests of ethnic groups. Sharing of wealth concept with few examples from India. Biopiracy, Intellectual Property Rights and Traditional Knowledge.

#### Sessional Internal Assessment (SIA) Full Marks -15 Marks

A - Internal Written Examination - 10 Marks ( 1 Hrs.)

B - Overall performance including regularity - 05 Marks

#### Suggested Readings :-

1. Jain, S.K. (1995). Manual of Ethnobotany, Scientific Publishers, Jodhpur.
2. Jain, S.K. (1981). Glimpses of Indian. Ethnobotany, Oxford and I B H, New Delhi.
3. Jain, S.K. (1989). Methods and approaches in ethnobotany. Society of ethnobotanists, Lucknow, India.
4. Jain, S.K. (1990). Contributions of Indian ethnobotny. Scientific publishers, Jodhpur.
5. Colton, C.M. (1997). Ethnobotany - Principles and applications. John Wiley and sons.
6. Rama, R, N and Henry, A.N. (1996). The Ethnobotany of Eastern Ghats in Andhra Pradesh, India. Botanical Survey of India. Howrah.
7. Sinha, R. K. (1996). Ethnobotany; The Renaissance of Traditional Herbal Medicine - INA -SHREE Publishers, Jaipur.
8. Faulks, P.J. (1958). An introduction to Ethnobotany, Moredale pub. Ltd.

*Deepti*  
03/08/2023

*Dr. Anu*  
Head  
6/2023

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**Semester – II**  
**Paper Title – Botany Practical – MN-2A Lab**  
**Credits – 01**

**Full Marks – 25**

**Pass Marks - 10**

**Practical**

1. Visit to the field and botanical garden in the nearby area and attempt to identify the plants
2. Attempt be made to grow the ethnobotanical plants
3. Visit the villages and rural areas to consult some senior people to discuss the traditional medicines being used since ages.
4. Prepare a list of plants that provide parts for traditional uses and construct a chart or check-list in terms of botanical significance, chemical constituent, medicinal use, and major industries available in India and the world; Economical-value strength.

**Experiments – 15 Marks**

**Viva Voice – 05 Mark**

**Practical Records – 05 Marks**

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