

T.T. College, Ara.

Dr. Sunil. Pandit

Dept of Botany. U.G. Semester - IV - Session - 2024-2025

Course of structure.

Name of the Course - MIC - Semester - IV - Botany - <sup>100</sup>

1. Morphology and Anatomy (Theo) - MIC - 5 - Theory - 100
2. Morphology and Anatomy (Pra) - MIC - 5 - Pra - 100
3. Economic Botany - Theory - MIC - 6 - Theory - 100
4. Genetics - Theory - MIC - 7 - Theory - 100

MIC - 4 - Semester - IV - ~~Botany~~.

5. Minor Course selected from other Department - 100 Marks

AEC - 4 - Semester - IV - 100 Marks.

6. Course on N.C.C / NSS / NGOs / Social Service / Scout and Guide / Spot.

=

MIC - 5 ⇒ Theory - Topic to Covered.

1. Brief account of inflorescence, flower, fruits and seeds.
  2. Meristem and permanent tissues. Root and shoot meristem, simple and complex tissues.
  3. Normal secondary growth; Anomalous secondary growth in Pinus, Euphorbia, Cucurbitaria and Aracaria.
  4. organization of tissues in relation to environment: Hydrophytes, Xerophytes Halophytes and Epiphytes.
- Periderm = origin, structure and function.

=