

## **COURSE-III: PTERIDOLOGY, GYMNOSPERMS AND PALAEOBOTANY (BSCBO-103)**

### **UNIT SCHEDULE**

#### **BLOCK-1- PTERIDOPHYTES**

**Unit-1-**General features, Classification, Telome theory, Stellar system, Heterospority and Life cycle

**Unit-2-**Structure and Reproduction in *Rhynia* and *Selaginella*

**Unit-3-** Structure and Reproduction in *Equisetum* and *Adiantum*

**Unit-4-** Structure and Reproduction in *Marsilea* and *Azolla*

#### **BLOCK-2- GYMNOSPERMS**

**Unit-5-**General Characters, Classification, Economic importance and Distribution of Gymnosperms in India

**Unit-6-**Structure and Life History of *Cycas*

**Unit-7-**Structure and Life History of *Pinus*

**Unit-8-**Structure and Life History of *Ephedra*

#### **BLOCK-3- ELEMENTARY PALAEOBOTANY**

**Unit-9-**Geological Time Scale

**Unit-10-**Types of Plant fossils

**Unit-11-** Process of Fossilization

**Unit-12-** Important Fossils in India - Birbal Sahani Institute of Palaeobotany