

VALUE ADDED COURSE

(For 1st year BSc. Botany)

UGBOTVA22 Plants in everyday life

Unit 1: Flower arrangement (Theory: 2 hours, Practical: 4 hours)

Flower arrangements - basic styles - upright and slanting - Japanese ikebana, dry flower arrangement.

Unit 2: Bonsai (Theory: 3 hours, Practical: 3 hours)

Bonsai - selection of plant - bonsai containers and method of bonsai making.

Unit 3: Terrarium (Theory: 2 hours, Practical: 3 hours)

Terrarium – selection of container and plants, terrarium making and after care.

Unit 4: Phytomedicine (Theory:4 hours)

Drugs from plants – history, development and future prospects.

Unit 5: Extraction techniques (Theory: 2 hours, Practical: 2 hours)

Types of extraction – hot, cold and Soxhlet extraction, Clevenger apparatus common solvents used for extraction.

Unit 6: Phytochemical analysis (Theory: 2 hours, Practical: 3 hours)

Preliminary screening methods for detecting phytochemicals.