

**Rajarshi Shahu Mahavidyalaya, Latur**

**(Autonomous)  
Structured Work Plan for Teaching  
(Dec– 2021 to Apr 2022)**

Details of Classes to be taught

Sr. No.	Class	Name of Assit. Prof.	Subject	Paper
1	B.Sc.II	P.V.Kumbhar	Botany	Paper-VII Environmental Biology; Gardening and Land Scaping


Summary of Lesson Plan

Name of Teacher: P.V.Kumbhar


Class: B.Sc.II (Fourth Semester)

Sr. No.	Subject	Unit and Chapter to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
2	UNIT – I: ENVIRONMENTAL BIOLOGY-I (12 L)	1. Ecology – Definition and Scope 2. Structure of ecosystem (Abiotic and Biotic) 3. Types of ecosystem (Pond ecosystem and Forest ecosystem) 4. Ecological pyramids and energy flow 5. Food chain and Food web 6. Morphological and anatomical adaptations of plants to water stress conditions i. Hydrophytes –Lotus leaf (petiole), Hydrilla. ii. Xerophytes – Nerium leaf, Casurina stem.	17-12-21 To 21-01-22	02 02 02 02 01 04		

3	UNIT – II: ENVIRONMENTAL BIOLOGY-II (10 L)	1. Pollution: Causes, effects and control measures of: i. Water pollution, ii. Soil pollution iii. Air pollution 2. Aforestation and deforestation 3. Chipko movemen	22-01-22 To 16-02-22	06  02 02		Unit Test I
4	UNIT – III: GARDENING (13 L)	1. Scope and objectives of gardening. 2. Style of gardens: Formal, Informal. 3. Types of gardens: English, Mughal, Hindu-Buddhist and Japanese. 4. Components of garden. 5. Pots and container. 6. Essentials of pot culture. 7. Potting compost. 8. Potting.	17-02-22 To 18-03-22	02 02 02 01 02 02		Unit Test II
5	UNIT – IV: LANDSCAPE DESIGNS (10 L)	1. Landscape Design: Definition, Landscape elements of construction. 2. Computer application in landscape. 3. Hedges for gardens & farms. 4. Lawns & Grasses: Planting methods, maintenance and pest management. 5. Development of flowerbeds and their designs. 6. Preparation of Bonsai and Flower Arrangement.	21-03-22 To 15-04-22	02 02 02 02 02		

  
Teacher

Head

  
**PRINCIPAL**  
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