GOVT.P.G.COLLEGEFORWOMEN,SECTOR-14,PANCHKULA LESSON-PLAN (Session 2024-2025) EVEN SEMESTER

**Nameof Professor**: Dr.RaniJindal

Designation: Assistantprofessor

Subject: ChemistryClass: B.Sc4hsemSubject/Paper: AgriculturalChemistry B23-VOC-222

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| **Month s** | **Topicstobecovered** | **Learning outcomesofthe student** | **Teaching learningStrategy** | **Remark s if any** |
| **FEB** | Plants as producers: Photosynthesis, pesticides, herbicide, insecticide, fungicide,storage and preservation of agricultureproduce, food processing,chemicals(alcohol)fromagriculture waste, use of polymers in agriculture | Thinksabout chemistry involved in agriculture | Group learning andteachingand Groupdiscussion | Assignm ent -1 |
| **MAR** | Soil fertility and soil productivity: urea cycle, Organic and inorganic nitrogen (Haber Bosch Process),nutrientsources–fertilizersandmanures; essential plant nutrients - functions and deficiency symptoms. Micronutrients – critical limits in soils and plants; factors affecting their availability and correction of their deficiencies in plants; role of chelates in nutrient availability | 2 Know about chemical compositionof soils; | Group learning andteachingand Groupdiscussion | Assignm ent -2 Test |
| **April** | Chemical (elemental) composition of the earth's crust and soils, Chemistry of acid soils; active and potential acidity; lime potential, chemistry of acid soils; sub-soil acidity; Chemistry of salt-affected soilsandamendments;soilpH,ECe,ESP,SARand important relations; soil management and amendments | 3Understand impacts of pollutionson soils and its productivity; | Group learning andteachingand Groupdiscussion |  |
| **May** | Natureandsourcesofpollutantsacidrains,oilspills etc.; air, water and soil pollutants - their CPC standards and effect on plants, animals and human beings. Sewage and industrial effluents – their composition and effect on soil properties/health,and plant growthand humanbeings; soil as sink for waste disposal. | 4Criticallythink regradingsewageeffluents. | Grouplearning andteaching&student presentation | REVISI ON |
|  | **Exam** |  |  |  |

**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2024-25) EVENSEMESTER**

**Name of Teacher**:Anita Soni

**Designation:Assistant Professor**

**Class: BCA II, Sem IV**

**Subject/ Paper: Software Testing Course Code B23-VOC-216**

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| **S. No.** | **Month** | **Topics to be covered** | **Teaching Learning Strategy** | **Learning Outcomes of Students** | **Remarks** |
| **1.** | **Feb** | Introduction: Definition of Software Testing and its Role, Terms: - Failure, Error, Fault, Defect, Bug, Goals of Testing, Principles of Testing, Software Testing Life Cycle, Verification and Validation: - V-testing Life cycle | **Students will learn through practical about software testing**  1. Prepare a small project and submit SRS, design, coding and test plan. | **To understand the basic terminologies and types of testing** |  |
| **2.** | **March** | Types of Testing: Black Box Testing: Overview: What is &When? Techniques: Boundary Value Analysis, Equivalence class testing, Decision Table White Box Testing: What is white box Testing, Need of white box Testing, Classification , Structural : Coverage, Path testing | 2. Study of any one of the testing tools.  MANUAL TESTING for the project a. Whitebox Testing b. Blackbox Testing | **Understand different testing methods** |  |
| **3.** | **April** | Levels of Testing Unit Testing : Overview, Integration Testing : Overview, Techniques: Graph based & Path based, Functional Testing, System Testing : Overview, Categories: Reliability Security Performance Recovery, Acceptance Testing : Overview, Types of Acceptance Testing | Functional Testing  a. Boundary value Testing  b. Equivalence class testing | **Understand the testing process** |  |
| **4.** | **May** | Test Planning: Preparing a Test plan, Scope management, Decide Test Approach, Setting Up Criteria, for testing, Identifying responsibilities, Staffing, training needs, Resource requirements, Test deliverables, Testing Tasks | Structural Testing  a. Path testing  b. Data-flow testing | **Manage the tests, plan testing process and create reports**  **Testing the software/projects using various techniques** |  |

* **Seminar/Presentation/Assignment/Quiz/Class Test /Mid-Term Exam will be taken as per schedule.**

**Signature of Teacher Principal**

**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2024-25) EVENSEMESTER**

**Name of Teacher**: Dr. Shardha Sharma

**Designation: Assistant Professor**

**Class: B. A IV Sem : International English Language Proficiency Development**

**Course Code: B23-VOC-225**

**Course Type: VOC-2**

**Level of the Course: 100-199**

**Credits: 4 (3 Theory, 1 Tutorial/Composition) Total Marks: 100**

**Subject/ Paper: English**

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| **SR. No.** | **Month** | **Topics to be covered** | **Teaching Learning Strategy** | **Learning Outcomes of Students** | **Remarks** |
| **1.** | **February** | **Unit I: Advanced Grammar and Vocabulary**  - Verb tenses, modals, conditionals  - Direct and indirect speech  - Active and passive voice | Lecture-based explanation, interactive exercises, grammar worksheets, peer discussions | Students will develop accuracy in using advanced grammar structures in writing and speaking | Regular practice through exercises and assignments |
| **2.** | **March** | **Unit II: Reading and Writing Skills**  - Skimming, scanning, critical reading  - Paragraph writing, dialogue writing  - Email writing | Guided reading sessions, comprehension exercises, writing workshops, peer feedback | Students will enhance reading comprehension and improve writing clarity and coherence | Encourage students to read academic and professional texts |
| **3.** | **April** | **Unit III: Listening and Speaking Skills**  - Advanced listening comprehension (lectures, presentations, discussions)  - Presenting ideas, participating in debates, giving presentations | Listening exercises, group discussions, mock presentations, debate sessions | Students will improve their listening comprehension and spoken fluency in academic and professional settings | Provide opportunities for real-life speaking practice |
| **4.** | **May** | **Unit IV: Intercultural Competence and Cultural Nuances**  - Basic etiquettes in English-speaking cultures  - Common phrases and expressions  - Small talk in conversations | Role-playing, interactive cultural discussions, real-life scenario simulations | Students will understand cultural nuances, improve conversational skills, and use English appropriately in social settings | Conduct group activities to practice cultural interactions |

* **Seminar/Presentation/Assignment/Quiz/Class Test /Mid-Term Exam will be taken as per schedule.**

**Signature of Teacher Principal**

