Odd Semester Lesson Plan

Teacher name: Dr.meenu rathi

**PAPER –I BIOLOGY AND DIVERSITY OF SEED PLANTS**October 2020

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| General characters of Angiosperms including primitive angiosperms (Amentiferae, Ranales,  Magnoliales). Diversity in plant forms-annuals, biennials and perennials.  Tissues-meristematic and permanent (simple and complex).  The Shoot system-shoot apical meristem and its histological organizations (monocot and dicot stem); |

November 2020

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| Cambium-structure and functions.  Secondary growth in dicot stem; characteristics of growth rings; sap wood and heart wood, periderm;  Anomalous secondary growth *(Dracaena, Boerhaavia* and *Achyranthes)* |

December 2020

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| Leaf-Types of leaves (simple and compound); phyllotaxy.  Epidermis-uniseriate and multiseriate, epidermal appendages and their morphological types.  Root system- the root apical meristem; the histological organization (monocot and dicot root). |

January2021

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| Anatomy of typical Monocot and Dicot leaf and cell inclusions in leaves; leaf abscission. Stomatal  apparatus and their morphological types. |

February 2021

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| Secondary growth in dicot root.  Structural modifications in roots- storage *(Beta),* Respiratory *(Rhizophora),* Epihytic *(Vanda).* |