Yashwantrao Chavan College of Science, Karad

Department of Botany

2023-24
COURSE OUTCOMES

B. Sc. II (Semester III)	**Paper V: DSC C13: Embryology of Angiosperms** CO17. Understand concept and structure of flower. CO18. Explain mechanism of Pollination, microsporogenesis, megasporogenesis, fertilization. CO19. Explain the embryo and endosperms development. CO20. Explain causes, types, significance of Polyembryony and Apomixis.
B. Sc. II (Semester III)	**Paper VI: DSC C14: Plant Physiology** CO21. Describe plant water relationship. CO22. Understand mineral nutrient uptake, role and deficiency. CO23. Explain mechanism of Photosynthesis and its significance CO24. Explore growth and development, photoperiodism and vernalization.
B. Sc. II (Semester IV)	**Paper VII: DSC D13: Plant Anatomy** CO25. Explain organization of plant body, development and internal organization. CO26. Understand characteristics and types of meristematic and permanent tissues. CO27. Explore the primary structure of monocot and dicot plants along with Anomalous secondary growth. CO28. Understand epidermal, secretary and mechanical tissue system.
B. Sc. II (Semester IV)	**Paper VIII: DSC D14: Plant Metabolism** CO29. Explain structure and properties, activity, and mechanism of action of enzymes. CO30. Explain Mechanism of Nitrogen Metabolism CO31. Explain types of respiration and fermentation process. CO32. Explain concept and causes of seed dormancy and seed germination.
B. Sc. II (Practical I)	**Practical based on papers V & VI** CO33 Study of anatomical structures in plants CO34 Study of different parameters of Plant physiology -Chlorophyll, TAN, Vegetative growth, IAA, GA, deficiency symptoms. CO35 Study of O_2 evolution and effect of light on photosynthesis CO36 Study of embryological details like flower, pollen germination, pollen fertility, ovule types, dicot and monocot embryo.
B. Sc. II (Practical II)	**Practical based on papers VII & VIII** CO37 Study of tissues system in plants like simple, complex, primary structure, normal and abnormal secondary growth. CO38 Study of epidermal, mechanical, Secretary tissue system CO39 Study of anatomical peculiarities and excretory production in plants CO40 Study of biofertilizers, separation techniques.