"Education for Knowledge, Science and Culture" -Shikshanmaharashi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS) Department of Biotechnology Optional The academic year 2020-21 B.Sc. III Biotechnology Optional

COS for Semester V And VI

Semester	Course outcome
Semester V	
Paper V	DSC 1009 E1- Plant Biotechnology & Environmental Biotechnology
	CO1. Formulate media to produce plantlets on an industrial scale
	CO2. Produce transgenic plants with high quality.
	CO 3. Describe the concept of toxicity.
	CO4. Discover different ways of Bioremediation.
Paper VI	DSC 1009 E2 -Large scale manufacturing process
	CO 1. Discriminate various types of fermentation medium with respect to product formation.
	CO2. Design a Fermenter for appropriate fermentation.
	CO3. Enumerate steps of downstream processing to purify
	industrially important product.
	CO4. Choose the correct method for qualitative & quantitative
Semester VI	analysis of end product.
Paper VII	DSC 1000 E1 Advances in Bistochuster
raper vii	DSC 1009 F1 Advances in Biotechnology CO 1. Generate new strategies of gene therapies
	CO2. Construct a drug molecule.
	CO3. Illustrate various biochemical techniques.
	CO 4. Understand various tracer techniques & and their applications
Paper VIII	DSC 1009 F2 ATC and Cell metabolism
	CO 1. Compare various pathways in Cell.
	CO2. Elaborate virus reproduction cycles to develop strategies for antiviral therapies
	CO 3. Produce transgenic animals for economic importance
	CO 4. Become a good entrepreneur to set up ATC-based industries.
SEC Sem V	Entrepreneurship development
	CO:1. students get knowledge about business organizations by
	completing the course students can incubate their business idea
	CO:2. Students can understand concepts of business finance.
	Students can become successful entrepreneurs
SEC Sem VI	Ecology
	CO1:Energy transfer in the ecosystem, To understand different
	industrial indicators of pollution
	CO2:Able to understand concepts of ecosystem and able to
	illustrate bioremediation to abetment of pollution

Department of Biotechnology (Optional) Wekanand College, Kolhabur (Autonom)



