

"Education for Knowledge, Science and Culture"
 -Shikshanmaharashi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 Department of Biotechnology Optional
 Academic year 2021-22 B.Sc. I Biotechnology Optional

COS for Semester I And II

| Semester | Course outcome |
|-------------|---|
| Semester I | |
| Paper I | DSC-1009A Paper I Basics of Biotechnology I |
| | At the end of this course students will able to; CO 1: Describe various proteins w.r.t. their structural level. CO 2: Classify types of vitamins & able to state their deficiency syndromes. CO 3: Specify types of Diabetes, causes, and remedies. CO 4: Qualitative and quantitative analysis of biomolecules |
| Paper II | DSC-1009A Paper-II Basics of Biotechnology II |
| | At the end of this course students will able to; CO 1: Isolate & purify particular protein. CO2: Explain the principle of centrifugation. CO 3: Understand the working of Microscope. CO 4: Discuss the instrumentation & working of UV visible spectroscopy |
| Semester II | DSC-1009 B Paper -III Microbiology |
| Paper -III | At the end of this course students will able to; CO 1: Elucidate the harmful activities of bacteria. CO 2: Design media to culture specific bacterial strain. CO 3: Conclude importance of sterilization CO 4: Compare various types of staining. |
| Paper -IV | DSC-1009 B Basics of Cell biology and genetics |
| | At the end of this course, students will able to; CO 1: List various cell organelles with functions. CO 2: Differentiate Prokaryotic & Eukaryotic cells. CO 3: Elaborate the Mendelian Genetics. CO 4: Predict how crossing over helps in species diversity & evolution |

[Signature]
 Head

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 Vivekanand College, Kolhapur (Autonomous)

