

**VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF ARTS,
SCIENCE, AND COMMERCE (AUTONOMOUS)**

SINDHI SOCIETY, CHEMBUR, MUMBAI

F.Y.B.Sc. Biotechnology NEP-2020 Course Structure

for Academic Year 2023-24

Semester-I	
Major (Core) Subjects (Compulsory)	1. Fundamentals of Biotechnology- I 2. Biochemistry I
Vocational Skill Course (VSC) & Skill Enhancement Courses (SEC)	1. VSEC: Introduction to Microscopy 2. SEC: Cell biology and Animal Tissue Culture
Open/ General Electives (OE/ GE)	*Select any two from the basket given below
Minor Subjects	-
Ability Enhancement Courses (AEC) , Indian Knowledge System (IKS) and Value Education Courses (VEC)	1.AEC: Business Communication I 2. VEC: Indian Constitution Indian Knowledge System
Field Project (FP) / Apprenticeship or Internship (OJT) / Community Engagement & Services (CES) / Co-curricular Courses (CC)	NSS / Sports / Cultural / DLLE / Department Association Activities (CC)

*** OE/GE Baskets (Semester-I)**

GE / OE (A)	GE / OE (B)
Fundamentals of Banking and Insurance	Introduction to Stock Market
Lifestyle related Disorders	Business Law
Advertising	Digital Marketing
Introduction to Photography	Travel & Tourism
Quantitative Aptitude Development	Introduction to Networking
Art of Management and Leadership	Principles of Accounting
Fundamentals of Banking and Insurance	Introduction to Stock Market

***One from each group**

Semester-II	
Major (Core) Subjects (Compulsory)	<ol style="list-style-type: none"> 1. Bioprocess Technology 2. Immunology I
Vocational Skill Course (VSC) & Skill Enhancement Courses (SEC)	<ol style="list-style-type: none"> 1. VSC: Introduction to Microbiology 2. SEC: DNA Replication, Mutation and Repair
Open/ General Electives (OE/ GE)	*Select any two from the basket given below
Minor Subjects	Chemistry
Ability Enhancement Courses (AEC) , Indian Knowledge System (IKS) and Value Education Courses (VEC)	<ol style="list-style-type: none"> 1. AEC: Business Communication II 2. VEC: Environmental Studies
Field Project (FP) / Apprenticeship or Internship (OJT) / Community Engagement & Services (CES) / Co-curricular Courses (CC)	NSS / Sports / Cultural / DLLE / Department Association Activities (CC)

*** OE/GE Baskets (Semester-II)**

GE / OE (A)	GE / OE (B)
Fundamentals of Banking and Insurance	Introduction to Stock Market
Lifestyle related Disorders	Business Law
Advertising	Digital Marketing
Introduction to Photography	Travel & Tourism
Quantitative Aptitude Development	Introduction to Networking
Art of Management and Leadership	Principles of Accounting
Fundamentals of Banking and Insurance	Introduction to Stock Market

***One from each group**