



"Education for Knowledge, Science and Culture"  
 -Shikshanmaharshi Dr. Bapuji Salunkhe  
 Shri Swami Vivekanand Shikshan Sanstha's  
**VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**



(स्वायत्त) कोल्हापूर

**DEPARTMENT OF MICROBIOLOGY**  
**Curricular Relevance – Course Outcomes with Relevance to Local, Regional, Global needs**  
**(2022-23 and 23-24)**

Sr. No.	Name of the Course	Course Code	Year of Introduction	Cos with relevance to local/regional needs	Cos with relevance to national needs	Cos with relevance to global needs
<b>M. Sc. Microbiology (Newly Introduced in 2022-23)</b>						
1.	Taxonomy and Microbial Diversity	CC- 2400	2022-23	-	-	-
2.	Virology	CC- 2401	2022-23	Explain therapy and prophylaxis of viral diseases	Explain therapy and prophylaxis of viral diseases	Explain therapy and prophylaxis of viral diseases
3.	Genetics and Molecular Biology	CC- 2402	2022-23	-	-	-
4.	Immunology	CC- 2403	2022-23	Describe cancer immunology and treatment and prevention of cancer	Describe cancer immunology and treatment and prevention of cancer	Describe cancer immunology treatment and prevention of cancer
5.	Techniques in Microbiology	CC-2406	2022-23	-	-	-
6.	Microbial Physiology, Biochemistry and Metabolism	CC-2407	2022-23	-	-	-
7.	Medical Microbiology	CC-2408	2022-23	Understand various bacterial, fungal, and viral diseases in humans	Understand various bacterial, fungal, and viral diseases humans	Understand various bacterial, fungal, and viral diseases in humans
8.	Microbial Ecology	CC-2409	2022-23	Know control of pest with biological way.	Know control of pest with biological way.	Know control of pest with biological way.
9.	Genetics and Molecular Biology	DSC20MIC11	2023-24	-	-	-



10.	Immunology	DSC20MIC12	2023-24	Describe treatment and prevention of cancer	Describe treatment and prevention of cancer	Describe treatment and prevention of cancer
11.	Taxonomy and Microbial diversity	DSE20MIC11	2023-24	-	-	-
12.	Virology	DSE20MIC12	2023-24	Explain therapy and prophylaxis of viral diseases	Explain therapy and prophylaxis of viral diseases	Explain therapy and prophylaxis of viral diseases
13.	Biomolecules	DSE20MIC13	2023-24	-	-	-
14.	Research Methodology	RMD20MIC11	2023-24	-	-	-
15.	Techniques in Microbiology	DSC20MIC21	2023-24	-	-	-
16.	Microbial Physiology, Biochemistry and Metabolism	DSC20MIC22	2023-24	-	-	-
17.	Medical Microbiology	DSE20MIC21	2023-24	Explain medical applications of microbial metabolites	Explain medical applications of microbial metabolites	Explain medical applications of microbial metabolites
18.	Microbial Ecology	DSE20MIC22	2023-24	Know control of pest with biological way	Know control of pest with biological way	Know control of pest with biological way
19.	Microbial Biotechnology	DSE20MIC23	2023-24	Know various applications of microbial biotechnology in food, and pharmaceutical industry	Know various applications of microbial biotechnology in food, and pharmaceutical industry	Know various applications of microbial biotechnology in food, and pharmaceutical industry
20.	Biostatistics, Bioinformatics And Scientific Writing	CC-2412	2023-24			Describe components, objectives, and applications of bioinformatics



21.	Enzymology And Enzyme Technology	CC-2413	2023-24	Narrate various applications of enzymes	Narrate various applications of enzymes	Narrate various applications of enzymes
22.	Fermentation Technology	CC-2414	2023-24	-	-	-
23.	Quality Control Microbiology I	CC-2415	2023-24	Describe various techniques of microbial control	Describe various techniques of microbial control	Describe various techniques of microbial control
24.	Food And Dairy Microbiology	CC-2418	2023-24	Write about food spoilage and various methods of food preservation	-	-
25.	Industrial Waste Management	CC-2419	2023-24	Describe methods of industrial waste treatment Explain biological methods of industrial waste	Describe methods of industrial waste treatment Explain biological methods of industrial waste	Describe methods of industrial waste treatment Explain biological methods of industrial waste
26.	Recombinant DNA Technology	CC-2420	2023-24	-	-	Explain various applications of DNA technology
27.	Quality Control Microbiology II	CC-2421	2023-24	-	-	-



  
 Dr. G. K. Sontakke  
**HEAD**  
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