

## SCHEME OF PAPERS

### BACHELOR OF SCIENCE (B. Sc.) – FIRST YEAR/ SECOND YEAR

	F.Y. B.Sc.		S.Y. B.Sc.	
	Semester I	Semester II	Semester III	Semester IV
<b>Major</b>	Chemistry Microbiology	Microbiology Chemistry	Chemistry Microbiology	Chemistry Microbiology
<b>Minor</b>	Botany Industrial Chemistry	Industrial Chemistry Botany	Botany	Botany (VET)
<b>Multidisciplinary courses (MC)</b>				-
<b>Skill Enhancement Course (SEC)</b>	Mathematics Botany	Mathematics Botany	Mathematics Botany	-
<b>Value Added Course (VAC)</b>	Environmental Practices in Goa Constitutional Values and obligation	Green Energy systems Life Skills	-	-
<b>AECC</b>	English	English	Konkani	Konkani

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**FIRST YEAR UNDER NEP 2020**

	<b>Semester I</b>	<b>Semester II</b>
<b>Major</b>	CHC-100 Fundamentals of Chemistry MIC-100 Basics of Microbiology	MIC-100 Basics of Microbiology CHC-100 Fundamentals of Chemistry
<b>Minor</b>	BOT-111 Plants in Everyday Life ICD-111 General Industrial Chemistry	ICD-111 General Industrial Chemistry BOT-111 Plants in Everyday Life
<b>Multidisciplinary Courses (MC)</b>		
<b>Skill Enhancement Course (SEC)</b>	MAT-141 Numerical Analysis Using Python/SageMath BOT-141 Nursery and Gardening	MAT-142 Statistical Methods Using R/SPSS/PSPP BOT-141 Nursery and Gardening
<b>Value Added Course (VAC)</b>	VAC-102 Environmental Practices in Goa VAC-104 Constitutional Values and Obligations	VAC-112 Green Energy Systems VAC-116 Life Skills
<b>AECC</b>	ENG-151 Communicative English: Spoken and Written	ENG-152 Digital Content Creation In English

## SECOND YEAR UNDER NEP 2020

	Semester III	Semester IV
<b>Chemistry Major/ Microbiology Major</b>	CHC-200 Concepts in Inorganic and Physical Chemistry CHC-201 Concepts in Organic and Analytical Chemistry	CHC-202 Organic Chemistry -I CHC-203 Inorganic Chemistry -I CHC-204 Physical Chemistry-I CHC-205 Pharmaceutical Chemistry-I
	MIC-200 Microbial Biochemistry MIC- 201 Molecular Biology	MIC-202 Cell Biology MIC-203 Microbial Physiology MIC-204 Microbial Genetics MIC-205 Basic Biostatistics
<b>Minor</b>	BOT-212 Soil and Water Analysis	BOT-222 Ecotourism (VET)
<b>Multidisciplinary Courses</b>		-
<b>Skill Enhancement Course</b>	MAT - 241 Technical Typesetting using LaTeX BOT-241 Herbal Technology	-
<b>AECC</b>	KON - 251 संभाषण कौशल्य (Communication Skills)	KON - 252 कोंकणी भाशचे मळाव गिन्यान (Basic Knowledge of Konkani)