

**Telangana State Council of Higher Education, Govt. of Telangana**  
**PRAPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc.**  
**MICROBIOLOGY (2016-17)**

<b>FIRST YEAR - SEMISTER-1</b>				
Code	Course Title	Course Type	HPW	Credits
BS101	Communication			
BS102	English			
BS103	Second Language			
BS104	<b>General Microbiology</b>	DSC-1A	4+2	5
BS105	Optional-II			
BS106	Optional-III			
<b>SEMISTER-2</b>				
BS201	Environmental studies			
BS202	English			
BS203	Second Language			
BS204	<b>General Microbiology-II</b>	DSC-1B	4+2	5
BS205	Optional-II			
BS206	Optional-III			
<b>SECOND YEAR-SEMISTER-3</b>				
BS301	<b>A/B HAEMATOTOLOGY</b>	SEC-1	2	2
BS302	English			
BS303	Second Language			
BS304	<b>Microbial Physiology and Enzymology</b>	DSC-1C	4+2	5
BS305	Optional-II			
BS306	Optional-III			
<b>SEMISTER-4</b>				
BS401	<b>C/D-FOOD ADULTERATION</b>	SEC-2	2	2
BS402	English			
BS403	Second Language			
BS404	<b>Microbial Genetics and Molecular biology</b>	DSC-1D	4+2	5
BS405	Optional-II			
BS406	Optional-III			
<b>THERD YEAR-SEMISTER-5</b>				
BS501	<b>Mushroom cultivation</b>	SEC-3	2	2
BS502	<b>Microbiology and Human health</b>	GE-1	2	2
BS503	<b>APPLIED MICROBIOLOGY</b>	DSC-1E	3+2	4
BS504	Optional-II			
BS505	Optional-III			
BS506	<b>A-IMMUNOLOGY</b>	DSE-1E	3+2	4

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	<b>B- PHARMACEUTICAL MICROBIOLOGY</b>			
BS507	Optional-II-A/B/C			
BS508	Optional-III-A/B/C			
<b>SEMISTER-6</b>				
BS601	<b>G/H HOSPITAL WAST MANAGEMENT</b>	SEC-4	2	2
BS602	<b>CONTAGIOUS DISEASES AND IMMUNISATION</b>	GE-2	2	2
BS603	<b>MEDICAL MICROBIOLOGY</b>	DSC-1F	3+2	4
BS604	Optional-II			
BS605	Optional-III			
BS606	<b>A-FOOD MICROBIOLOGY B- INDUSTRIAL MICROBIOLOGY</b>	DSE-1F	3+2	4
	Optional-II-A/B/C			
	Optional-III-A/B/C			
				164

B.Sc. ZOOLOGY SYLLABUS UNDER CBCS 2019

CURRICULUM FOR ZOOLOGY  
IN UNDER GRADUATE DEGREE PROGRAMME  
CBCS SYLLABUS SCHEDULE 2019

Year	Semester	Paper		Title of the Paper	No. of Credits	Exam Hrs.	Max. Marks			
							I.A	End Exam	Total	
I	I	Paper - I	Core-I Theory	Animal Diversity- Invertebrates	4	2	20	80	100	
			Core-I Practical	Animal Diversity- Invertebrates	1	2	-	25	25	
	II	Paper - II	Core-II Theory	Animal Diversity- Vertebrates	4	2	20	80	100	
			Core-II Practical	Animal Diversity- Vertebrates	1	2	-	25	25	
II	III	Paper - III	Core-III Theory	Animal Physiology, Animal Behaviour and Developmental Biology	4	2	20	80	100	
			Core-III Practical	Animal Physiology, Animal Behaviour and Developmental Biology	1	2	-	25	25	
			SEC-1	Sericulture / Aquaculture	2	2	10	40	50	
	IV	Paper - IV	SEC-2	Clinical Science / Health and Hygiene	2	2	10	40	50	
			Core-IV Theory	Cell Biology, Genetics, Evolution and Zoogeography.	4	2	20	80	100	
			Core-IV Practical	Cell Biology, Genetics, Evolution and Zoogeography	1	2	-	25	25	
			SEC-3	Apiculture / Poultry and Animal Husbandry	2	2	10	40	50	
				SEC-4	Vermiculture / Biomaterials from Animals sources	2	2	10	40	50
	III	V	Paper - V	DSE-I Theory	Physiological Chemistry / Immunology / Diagnostic Methods of Parasites / Animal Biotechnology	4	2	20	80	100
				DSE-I Practical	Physiological Chemistry / Immunology / Diagnostic Methods of Parasites / Animal Biotechnology	1	2	-	25	25
			GE - I Theory	Preventive Medicine / Integrated Pest Management / Health and Hygiene	4	2	20	80	100	
Paper - VI			DSE-II Theory	Fisheries / Limnology / Vector Biology / Laboratory Animals Maintenance and Applications	4	2	20	80	100	
			DSE-II Practical	/ Fisheries / Limnology / Vector Biology / Laboratory Animals Maintenance and Applications	1	2	-	25	25	
					Project / Tools and Techniques in Biology	4				

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Practical One Credit equal to 3hrs

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Telangana State Council of Higher Education, Govt. of Telangana B.Sc., CBCS Com  
Core Syllabi for all Universities in Telangana  
**PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN**  
B.Sc., Chemistry from 2019-2020

**FIRST YEAR- SEMESTER I**

CODE	COURSE TITLE	COURSE TYPE	HPW	CREDI
BS 101	Ability Enhancement Compulsory Course AECC-1	ES	2	2
BS 102	English	CC-1A	4	4
BS 103	Second language	CC-2A	4	4
BS 104	Optional I	DSC-1A	4T+3P=7	4+1=
BS 105	Optional II	DSC-2A	4T+3P=7	4+1=
BS 106	<b>Optional III- Chemistry - I</b>	DSC-3A	4T	4
	Laboratory Course – I (Qualitative Analysis - Semi Micro Analysis of Mixtures)		3P	
<b>Total Credits</b>			31	25

**FIRST YEAR- SEMSTER II**

BS 201	Ability Enhancement Compulsory Course AECC-2	BCS	2	2
BS 202	English	CC-1B	4	4
BS 203	Second language	CC-2B	4	4
BS 204	Optional I	DSC-1B	4T+3P=7	4+1=
BS 205	Optional II	DSC-2B	4T+3P=7	4+1=
BS 206	<b>Optional III- Chemistry - II</b>	DSC-3B	4T	4
	Laboratory Course - II (Quantitative Analysis – Titrations)		3P	
<b>Total Credits</b>			31	25

**SECOND YEAR- SEMSTER III**

BS 301	i) Safety Rules in Chemistry Laboratory and Lab Reagents ii) Remedial methods for pollution, drinking water and Soil fertility	SEC-1 SEC-2	2 2	2 2
BS 302	English	CC-1C	3	3
BS 303	Second language	CC-2C	3	3
BS 304	Optional I	DSC-1C	4T+3P=7	4+1=
BS 305	Optional II	DSC-2C	4T+3P=7	4+1=
BS 306	<b>Optional III- Chemistry - III</b>	DSC-3C	4T	4
	Laboratory Course - III (Synthesis of Organic compounds)		3P	
<b>Total Credits</b>			31	25

**SECOND YEAR- SEMSTER IV**

BS 401	i) Materials and their Applications ii) Chemistry of Cosmetics and Food Processing	SEC-3 SEC-4*	2 2	2 2
BS 402	English	CC-1D	3	3
BS 403	Second language	CC-2D	3	3
BS 404	Optional I	DSC-1D	4T+3P=7	4+1=
BS 405	Optional II	DSC-2D	4T+3P=7	4+1=
BS 406	<b>Optional III- Chemistry - IV</b>	DSC-3D	4T	4
	Laboratory Course - IV (Qualitative Analysis of Organic Compounds)		3P	
<b>Total Credits</b>			31	25

\* AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, DSC: Discipline Specific Course, GE: Generic Elective, ES: Environmental Science, BCS: Basic computer skills.