

TELANGANA STATE COUNCIL OF HIGHER EDUCATION
 PROPOSED CBCS COMMON CORE SCHEME FOR B.Sc. COURSE
 OPTIONAL - I: BOTANY

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMESTER - I				
BS 104	PAPER-I: Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMESTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMESTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMESTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV: Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-5E	4T+2P=6	4+1=5

AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, GE: Generic Elective, DSC: Discipline Specific Core, DSE: Discipline Specific Elective.

Ar Ramakrishna
 PRINCIPAL (FAC)
 M.K.R. Government Degree College

Year	Semester	Paper	Title of the Paper	No. of Credits	Exam Hrs.	IA	Max. Marks	Instructor No. of per No. of cr		
I	I	Paper - I	Core-I Theory	Animal Diversity: Invertebrates	4	2	20	80	UNIT - I 1.1 1.1 1.1 1.1 1.2 P UN 2.1	
			Core-I Practical	Animal Diversity: Invertebrates	1	2	10	40		
			Core-II Theory	Animal Diversity: Vertebrates	4	2	20	80		
	II	Paper - II	Core-II Theory	Animal Diversity: Vertebrates	1	2	10	40		
			Core-II Practical	Animal Diversity: Vertebrates	1	2	10	40		
			Core-III Theory	Animal Physiology and Animal Behaviour	1	2	10	40		
	III	Paper - III	Core-III Theory	Animal Physiology and Animal Behaviour	1	2	10	40		
			Core-III Practical	Animal Physiology and Animal Behaviour	1	2	10	40		
			SEC-1	Sericulture / Apiculture	4	2	20	80		
	II	IV	Paper - IV	SEC-2	Public Health and Hygiene/ Medical Diagnostics	2	2	10		40
				Core-IV Theory	Cell Biology, Genetics, and Developmental Biology	4	2	20		80
				Core-IV Practical	Cell Biology, Genetics, and Developmental Biology	1	2	10		40
SEC-3				Poultry and Animal Husbandry/ Vermiculture/ Vector Biology	2	2	10	40		
V		Paper - V	SEC-4	Blomaterials from Animals sources / Aquaculture/ Aquarium Fish Keeping	2	2	10	40		
			DSE-I Theory	Physiological Chemistry and Endocrinology/ Laboratory Animals Maintenance and Applications / Immunology and Animal Biotechnology	4	2	20	80		
			DSE-I Practical	Physiological Chemistry and Endocrinology/ Laboratory Animals Maintenance and Applications / Immunology and Animal Biotechnology	1	2	10	40		
			GE-I Theory	Preventive Medicine / Integrated Pest Management	4	2	20	80		
III	Paper - VI	DSE-II Theory	Fisheries / Limnology / Ecology, Zoogeography and Evolution	4	2	20	80			
		DSE-II Practical	Fisheries / Limnology / Ecology, Zoogeography and Evolution	1	2	10	40			
		Project / Tools and Techniques in Biology			4	2	20	80		
					46	36	260	1040		

DSC - Discipline Specific Core; DSE - Discipline Specific Elective; SEC - Skill enhancement Course; GE - Generic Elective (Open streams)

*Practical one credit equal to 3 hours of Instruction

CHAIR MEN
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B.Sc., Chemistry, III Year, CBCS Syllabus
 Telangana State Council of Higher Education, Govt. of Telangana B.Sc, CBCS Common
 Core Syllabi for all Universities in Telangana
PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN
 B.Sc., Chemistry (for the batch admitted in 2019-2020)

THIRD YEAR- SEMESTER V				
CODE	COURSE TITLE	COURSE TYPE	IIPW	CREDITS
BS 501	Chemistry of Cosmetics, Food Processing, Drugs and Pharmaceuticals	GE	4	4
BS 502	English	CC-1E	3	3
BS 503	Second language	CC-2E	3	3
BS 504	Optional- I A/B	DSE -1E	-----	4+1=5
BS 505	Optional- II A/B	DSE -2E	-----	4+1=5
BS 506	Optional- III A/B A. Spectroscopy and Chromatography (or) B. Metallurgy, Dyes and Catalysis	DSE -3E	4T } = 7 3P }	4 } = 5 1 }
	Laboratory Course -V Experiments in Physical Chemistry-I			
TOTAL				
THIRD YEAR- SEMESTER VI				
BS 601	Project in Chemistry/ Advanced Chemistry			4
BS 602	English	CC-1F	3	3
BS 603	Second language	CC-2F	3	3
BS 604	Optional- I A/B	DSE-1F	-----	4+1=5
BS 605	Optional- II A/B	DSE -2F	-----	4+1=5
BS 606	Optional- III A/B A. Medicinal Chemistry (or) B. Agricultural and Fuel Chemistry	DSE -3F	4T } = 7 3P }	4 } = 5 1 }
	Laboratory Course -VI Experiments in Physical Chemistry-II			
TOTAL				
TOTAL Credits				150

U. Sreedhar
P. Sreedhar
Chh
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