

**DR. V. S. KRISHNA GOVT. DEGREE COLLEGE (A)
VISAKHAPATNAM**

DEPARTMENT OF BOTANY

**PROPOSED SYLLABUS FOR B.Sc BOTANY
IN UNDERGRADUATE DEGREE PROGRAMME
UNDER AUTONOMY**

2020 - 2021

BOARD OF STUDIES

IN

B.Sc BOTANY 2020-2021

SYLLABUS FOR B.Sc BOTANY

Approved in B.O.S for the Academic Year 2020-2021

(Dt : 10 - 10 - 2018)



Dr.V.S.Krishna Govt. Degree College (Autonomous),
(Accredited with 'A' Grade by NAAC)
Visakhapatnam
530013, ANDHRA PRADESH



**DR.V. S. KRISHNA GOVT. DEGREE & PG COLLEGE (A),
VISAKHAPATNAM**

DEPARTMENT OF BOTANY

PROPOSED CBCS SYLLABUS FOR BOTANY 2019-22

IN UNDERGRADUATE DEGREE PROGRAMME


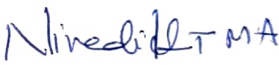



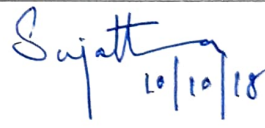
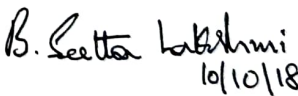





Dr.V.S.Krishna Govt. Degree College (Autonomous), Visakhapatnam

Resolutions/Minutes of the 5th Board of Studies-October 2018

Subject: BOTANY

Department: BOTANY

In pursuance of conferment of Autonomous status to Dr.V.S.Krishna Govt. Degree College(A), Visakhapatnam by the UGC vide letter No.F22-1/2011(AC) dated 20.07.2011 from Dr. Manju Singh, Joint Secretary, UGC, New Delhi and Proceedings No. C-II (CDC) /Dr.VSK.Govt.College/BOS/2018 dt. 27-07-2017 of The Vice-Chancellor, Andhra University, Visakhapatnam, the **5th Board of Studies in Boany** Subject is conducted on 10.10.2018 at 10:00 AM with the following members. The Changes will be implemented from 2019-20 academic year onwards.

MEMBER	NAME & DESIGNATION	SIGNATURE
Head of the Department (Chairman)	Dr.P.Sreevani	
Faculty Members	Dr.TMA. Niveditha Dr.D.Appa Rao Dr.K.Vijaya Lakshmi Dr.D.S. Madhava Rao	   
Subject Expert (University Nominee)	Prof.B.Sujatha Department of Botany Andhra University Visakhapatnam	 10/10/18
Subject Experts (from outside the parent university)	Dr.B.Seetha Lakshmi Reader in Botany GDC (W), Srikakulam Dr.B.R.Ambedkar University Dr.N.S.N.Swamy Reader in Botany GDC (M), Srikakulam Dr.B.R.Ambedkar University	 10/10/18  10.10.18
	Dr.Srinivasa Rajamani UNDP Co-ordinator, GVMC Visakhapatnam	
Representative Member From Industry / Corporate / Allied Area relating to placement	Dr.Ch.K.V.Hari Lecturer in Computer Science	
Member from Alumni	Dr.D.Sravan Kumar Reader In Physics	
Coordinator, Academic Council	Dr.V.Chandra Sekhar Principal	

**B.Sc., BOTANY SEMESTER-WISE SYLLABUS THEORY,
PRACTICALS AND MODEL QUESTION PAPERS (AS PER
CBCS AND SEMESTER SYSTEM)**

I, II & III YEARS

w.e.f. 2017-18

**AP STATE COUNCIL OF HIGHER EDUCATION
CBCS - PATTERN FOR BOTANY**

DR. V. S. KRISHNA GOVT DEGREE & PG COLLEGE (A)
Structure of B.Sc Botany under CBCS
w.e.f. 2017-18 (Revised in April, 2016)

w.e.f. 2017-18 (Revised in April, 2018)							
Year	Semester	Paper	Title	H o u r s	Mar ks	Credits	
I	I	I	Microbial Diversity , Algae and Fungi	4	100	03	
			Practical –I	2	50	02	
	II	II	Diversity Of Archaeogoniates & Anatomy	4	100	03	
			Practical –II	2	50	02	
II	III	III	Plant taxonomy &Embryology	4	100	03	
			Practical –III	2	50	02	
	IV	IV	Plant physiology & Metabolism	4	100	03	
			Practical –IV	2	50	02	
III	V	V	Cell Biology, Genetics &Plant breeding	3	100	03	
			Practical –V	2	50	02	
		VI	Plant Ecology & Phytogeography	3	100	03	
			Practical –VI	2	50	02	
	VI	VII (A)*	Elective : Nursery, Gardening and Flouriculture	3	100	03	
			Lab	2	50	02	
		VII (B)*	Elective : Organic farming and sustainable agriculture				
			Lab				
		VII (C)*	Elective :plant tissue culture and its biotechnological application				
			Lab				
		**	8A	Cluster Elective-A	3	100	03
				8A-1: Plant diversity and human welfare	3	100	03
				8A-2 :	3	100	03
				Ethnobotany	2	50	02
				andMedicinal botany	2	50	02
				2	50	02	
				8A-3:	2	50	02
	Pharmacognosy and phytochemistry						
	Or						
	** 8B	Cluster Elective-B VIII-B-1					
		VIII-B-2 VIII-B-3					

Andhra Pradesh State Council of Higher Education
Structure of B.Sc Botany under CBCS
w.e.f. 2017-18

Year	Semester	Paper	Title	Hours	Marks	Credits	Paper Code
I	I	I	Microbial Diversity , Algae and Fungi	4	100	03	1
			Practical -I	2	50	02	2
	II	II	Diversity Of Archaeogoniates & Anatomy	4	100	03	
			Practical -II	2	50	02	
II	III	III	Plant taxonomy & Embryology	4	100	03	3
			Practical -III	2	50	02	
	IV	IV	Plant physiology & Metabolism	4	100	03	4
			Practical -IV	2	50	02	
III	V	V	Cell Biology, Genetics & Plant breeding	3	100	03	5
			Practical -V	2	50	02	
		VI	Plant Ecology & Phytogeography	3	100	03	6
			Practical -VI	2	50	02	
		VII (B)*	Elective <u>Organic Farming & Sustainable Agriculture</u>	3	100	03	7B
			Lab <u>Agroforestry</u>	2	50	02	
	VI	VII (A)*	Elective <u>Nursery Gardening</u>				7A
			Lab <u>Floriculture</u>				
		VII (C)*	Elective <u>Plant tissue culture</u>				7C
			Lab and its biotechnological application				
		**	Cluster Elective-A	3	100	03	A ₁ 8 A ₂ A ₃
		VIII-A	VIII-A-1 Plant Diversity & Human welfare	3	100	03	
			VIII-A-2	3	100	03	
			VIII-A-3 Ethnobotany & Medical Botany	2	50	02	
			Or Pharmacognosy & Phytochemistry	2	50	02	
				2	50	02	
		**	Cluster Elective-B				B ₁ 8 B ₂ B ₃
		VIII-B	VIII-B-1				
			VIII-B-2				
			VIII-B-3				

*Any one paper from (A), (B) and (C) can be selected

**Any one cluster (Set of Three Papers) (8) from VIII-A or VIII-B can be selected