

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

**DEPARTMENT OF BOTANY**

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

**2021 - 2022**

**BOARD OF STUDIES**

**IN**

**B.Sc BOTANY 2021-2022**

**SYLLABUS FOR B.Sc BOTANY**

**Approved in B.O.S for the Academic Year 2021-2022**

**( 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**


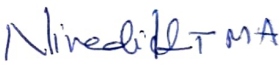



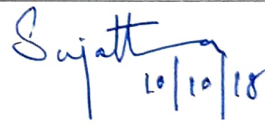
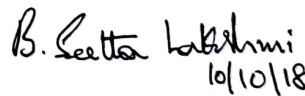





**IN UNDERGRADUATE DEGREE PROGRAMME**

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

<i>Year</i>	<i>Semester</i>	<i>Paper</i>	<i>Title</i>	<i>H o u r s</i>	<i>Mar ks</i>	<i>Credits</i>
<b>I</b>	<b>I</b>	<b>I</b>	Microbial Diversity , Algae and Fungi	4	100	03
			Practical –I	2	50	02
	<b>II</b>	<b>II</b>	Diversity Of Archaeogoniates & Anatomy	4	100	03
			Practical –II	2	50	02
<b>II</b>	<b>III</b>	<b>III</b>	Plant taxonomy & Embryology	4	100	03
			Practical –III	2	50	02
	<b>IV</b>	<b>IV</b>	Plant physiology & Metabolism	4	100	03
			Practical –IV	2	50	02
<b>III</b>	<b>V</b>	<b>V</b>	Cell Biology, Genetics & Plant breeding	3	100	03
			Practical –V	2	50	02
		<b>VI</b>	Plant Ecology & Phytogeography	3	100	03
			Practical –VI	2	50	02
	*Any one paper from (A), (B) and (C) can be selected	<b>VII (A)*</b>	<b>Elective</b> : Nursery, Gardening and Flouriculture	3	100	03
			Lab	2	50	02
		<b>VII (B)*</b>	<b>Elective</b> : Organic farming and sustainable agriculture			
			Lab			
		<b>VII (C)*</b>	<b>Elective</b> : plant tissue culture and its biotechnological application			
			Lab			
	**Any one cluster (Set of Three Papers) from 8-A or 8-B can be selected	<b>** 8A</b>	<b>Cluster Elective-A</b>	3	100	03
			<b>8A-1:</b> Plant diversity and human welfare	3	100	03
			<b>8A-2 :</b>	3	100	03
			Ethnobotany	2	50	02
			and Medicinal botany	2	50	02
			<b>8A-3:</b>	2	50	02
			Pharmacognosy and phytochemistry			
		<b>Or</b>				
		<b>** 8B</b>	<b>Cluster Elective-B VIII-B-1 VIII-B-2 VIII-B-3</b>			



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	
	*Any one paper from (A), (B) and (C) can be selected  **Any one cluster (Set of Three Papers) from VIII-A or VIII-B can be selected	VII (B)*	Elective <u>Organic Farming &amp; Sustainable Agriculture</u>	3	100	03	7B
			Lab <u>Nursery Gardening</u>	2	50	02	
		VII (A)*	Elective <u>Nursery Gardening</u>				7A
			Lab <u>Agriculture</u>				
		VII (C)*	Elective <u>Plant tissue culture</u>				7C
			Lab and its biotechnological application				
		**	Cluster Elective-A	3	100	03	A <sub>1</sub> 8 A <sub>2</sub> A <sub>3</sub>
		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 <sub>1</sub> 8 B <sub>2</sub> B <sub>3</sub>
		VIII-B	VIII-B-1				
			VIII-B-2				
			VIII-B-3				