GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)

Department of Botany

PROGRAM SPECIFIC OUTCOMES FOR B.Sc. BOTANY

UNDER CBCS FRAMEWORK

WITH EFFECT FROM 2015-16

Students after successful completion of B.Sc. BOTANY will be able to:	
PSO-1	The student will understand how to analyse the basic concepts, methods, scopes, classifications, characterization, diseases and economic importance of microorganisms.
PSO-2	know about the basic principles of plant function, metabolism, secondary products, cell physiology & principles of growth & development.
PSO-3	students will understand the basic information on mushroom, be empowered with entrepreneurial skills through the production and disease management of mushrooms.
PSO-4	Understand the importance of microorganisms 3 Learn about the pathogenic microorganisms and their mode of entry and control measures.
PSO-5	The students will be Strengthened to promote mushroom cultivation through good laboratory techniques. Provided with appropriate training personnel for the promotion of mushroom production in the college,enabled for entrepreneurship skill through this course.

B.SHANTHA KUMARI
lecturer In Botany
GDC RAYACHOTY

B.KIRAN KUMAR,MSc,Bed,NET,SET
IQAC Coordinator
GDC Rayachoty

Dr.P.HARSHA LATHA,MSc,MPhill,PHD
PRINCIPAL
GDC RAYACHOTY

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PROGRAM SPECIFIC OUTCOMES FOR B.Sc. BOTANY

UNDER REVISED CBCS FRAMEWORK

WITH EFFECT FROM 2020-21

Students after successful completion of B.Sc. BOTANY will be able to:	
PSO-1	The students are able to understand about Plant taxonomy and their systematic classification systems are able to understand about modern approaches in taxonomic studies.
PSO-2	By the end of this course students will be able to understand the structure of cells in relation to the functional aspects to understand the difference between prokaryotic and eukaryotic cells to study the details of the plant cell wall, cytosol and cytoplasmic organelles to learn the functioning of the cell at the molecular level to understand the properties of nucleic acids (DNA &RNA).
PSO-3	comprehend the changes during growth process (germination to abscission),understand the energy flow and various metabolic cycles with their integration, get an overall perception about various physiological processes occurring in plants.
PSO-4	The students will be able to learn the nutritive values and medicinal properties of different plants. understand the role of plants as environmental indicators and protectors appreciate the aesthetic values about ornamental plants there by developing entrepreneurship skills.
PSO-5	The students are able to understand about Plant taxonomy and their systematic classification systems are able to understand about modern approaches in taxonomic studies. Enlightened about the role of taxonomy in conservation of biodiversity.
PSO-6	The students will be able to understand the methods of plant breeding techniques. To analyze and compare the organic and inorganic farming. To understand the organic farming which does not totally exclude the elements of modern agriculture.
PSO-7	To prepare oneself for competitive / entrance examination (IFS, CSIR, UGC- NET/SET, etc.).

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PROGRAM SPECIFIC OUTCOMES FOR B.Sc. BOTANY

B.Sc. HONOURS BOTANY(MAJOR)

4-YEARS UG HONOURS PROGRAM WITH SINGLE MAJOR AND ONE MINOR

WITH EFFECT FROM 2023-24

Students after successful completion of B.Sc. BOTANY will be able to:	
PSO-1	The students will understand the concepts of microbial and human genetics and genetic mapping.
PSO-2	The students are enabled to understand the plant reproduction organs of flowering plants.
PSO-3	The students will gain ability to apply the acquired knowledge and skills in the field of plant morphology and anatomy.
PSO-4	The students Will have overview and understanding about the structure and relationship of various forms of cryptogams.
PSO-5	The students Will have overview and understanding about the structure and relationship of various forms of cryptogams.
PSO-6	Will understand evolutionary trends among non flowering plants.
PSO-7	They gain Knowledge about the rules of generative and vegetative plant multiplication.
PSO-8	To understand the organic farming which does not totally exclude the elements of modern agriculture.

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