

SKR& SKR GCW(A), Kadapa
IQAC

Dt: 01.01.2020

The Department Incharges have to fill the following details of the Paper(Course) in all the 6 semesters of the Department Concerned, including Foundation Courses, Labs, Theory Subject in the following format by and mail to iqac.nirf.gdcw.kdp@gmail.com :

DEPARTMENT NAME :BOTANY				
ACADEMIC YEAR-2019-2020				
S.NO	COURSE CODE	COURSE TITLE	COURSE OUTCOME	
1	1306	Paper-I: Microbial Diversity, Algae and Fungi	CO1	Apply the knowledge of fungi, bacteria, virus on identification of plant, animal and human diseases in their local places and take scientific remedy
			CO2	Accept the importance of evolution in origin of life forms
			CO3	understand the importance of algae in maintenance of environment sustainability, oxygen releasing, and industrial application of algae
			CO4	Praises the impact of lichens and mushrooms
2	2306	Paper –II : Diversity of Archegoniate&Plant Anatomy	CO1	understand the diversity of plants and their importance in origin of land plants
			CO2	Discriminates the difference between bryophytes, Pteridophytes and gymnosperms
			CO3	gain the knowledge of geological time scale and existence of different life forms in different eras
			CO4	understands the evolvement of seed bearing plants
3	3306	CORE – III: PLANT TAXONOMY AND EMBRYOLOGY	CO1	identify different families of angiosperimic plants in the campus, surrounding of him both wild and ornamental plants
			CO2	understand about the contribution of different scientists role in the development of plant taxonomy
			CO3	understand about sexual reproduction in plants, embryo development, seed development etc
			CO4	pollen grain, endosperm gives inspiration to solve daily problems
4	4306	CORE – IV:Plant physiology and Metabolism	CO1	correlates the metabolic activities in human beings with plants
			CO2	understand the importance of water and its impact on growth of plants and all life forms
			CO3	utilises the plant growth regulators impact as inspiration for discrimination of positive and negative life
			CO4	To understand the various life procesess like Photosynthesis, respiration mineral nutrition etc. in plants

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5	5306	Paper-V: Cell Biology, Genetics and Plant Breeding	CO1	understand the history and development of cell biology
			CO2	utilises the the knowledge of cytogenetic for the reason of various genetic disorders
			CO3	recognise the traditional breeding practices in his village and surroundings
			CO4	transforms the traditional agriculture knowledge into organic farming methods
6	5312	PAPER-VI: PLANT ECOLOGY& PHYTOGEOGRAPHY	CO1	understand the importance of climatic factors to maintain environment sustainability
			CO2	recognises the correlation between biotic and abiotic components in the ecosystem
			CO3	understands the world geographic areas with specific reference to life forms
			CO4	praises the unity and diversity of our Indian geographic division along with both plants and animals
7		Paper VII : Plant tissue culture and its biotechnological applications	CO1	understand the methods for innovative breeding to increase agriculture productivity
			CO2	applies the knowledge of plant tissue culture for biodiversity conservation
			CO3	understand the methodology of genetic engineering of plants
			CO4	gives self employability as skilled person in tissue culture laboratories
8		Paper VIII-A1: Biological instrumentation and Methodology	CO1	understand the methodology of various instrumentation used in biological science
			CO2	gets practical exposure of usage of various instruments used in life sciences
			CO3	To learn the advance techniques using modern instruments in quality analysis
			CO4	To get handson experimentation skills using various lab equipment
9		Paper VIII-A2: Mushroom Culture and Technology	CO1	understand and discreminates different types of mushroom used and food
			CO2	acquires the theoritcal konwlege on life history of different mushrooms and diffent stages
			CO3	gets hand on training for mushroom production
			CO4	gives self employability by producing as small scale industry
10		Paper VIII-A3: Internship/ Project Work	CO1	get perfection on solving a problem in a scientific way
			CO2	applies the knowledge in future research work

Signature of the Incharge of the Department