



SRI Y.N. COLLEGE (Autonomous); Narasapur

Affiliated to Adikavi Nannayya University

Thrice Accredited by NAAC with 'A' Grade

Recognized by UGC as 'College with potential for Excellence'

CURRICULAR PLAN 2017-18

DEPARTMENT OF ZOOLOGY & FISHERIES

I B.Sc. Aquaculture Technology; Paper-I, Semester –I

BASIC PRINCIPLES OF AQUACULTURE

(Dr. N.H.K Durga Prasad , Kum. K.S.S.V.N Lakshmi)

S.No	Month	Week	Syllabus	Additional input/ Value addition	Curricular		Co-Curricular Activity	
					Activity	Hours Allotted	Activity	Hours Allotted
1.	June	IV week	Concept of Blue Revolution – History and definition of Aquaculture.	Training Programme	Teaching	08	Assignment	44
		V week	Fresh Water Aquaculture, Brackish Water Aqua Culture and Mari Culture.					
2.	July	I week	Different aquaculture system. Pond, Cage, Pen, Running	Group Discussion	Teaching	16	Assignment	1
		II week	Poly Culture and Mono Sex Culture Systems and Mixed Culture.					
		III week	Food chains and Food Web					
		IV week	Lotic and lentic system, Streams and Springs					
	August	I week	Importance of plankton and Benthos in culture ponds		Teaching	20	Slip test	1

3.		II week	Functional classification of Pond	Quiz			Assignments	1
		III week	Hatchery design – Fish Hatchery					
		IV week	Construction of an ideal fish Pond					
		V week	Lay out and arrangements of Ponds in a Fish Farm					
4.	September	I week	Manure application in culture ponds	Field Data	Teaching	16	Slip test Assignments	1 1
		II week	Physico - chemical conditions of soil and water					
		III week	Eradication of Predators and weed control					
		IV week	Weed plants in culture ponds, aquatic weeds, weed Fish,					
5.	October	I week	Revision	Quiz	Teaching	4	Slip test	1



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CURRICULAR PLAN 2017-18

DEPARTMENT OF ZOOLOGY & FISHERIES

I B.Sc. Aquaculture Technology ; Paper-II, Semester –II

BIOLOGY OF FIN FISH & SHELL FISH

(Dr. N.H.K Durga Prasad , Kum. K.S.S.V.N Lakshmi)

S.No	Month	Week	Syllabus	Additional input/ Value addition	Curricular Activities		Co-Curricular Activities	
					Activity	Hours Allotted	Activity	Hours Allotted
1.	Nov	IV week	General characters and classification of fishes up to classes.	Guest Lecture	Teaching	08	Assignment	1
		V week	Fish, crustaceans and molluscs of commercial importance					
2.	Dec	I week	Sense organs of Fishes.	Seminar	Teaching	16	Assignment	1
		II week	Specialized organs in Fishes – electric Organ					
		III week	Buoyancy in Fishes – Swim bladder or air bladder					
		IV week	Natural Fish Food, Feeding habits					
3.	Jan	I week	Principles of age and growth determination	Quiz	Teaching	20	Slip test Assignment	1 1
		II week	Length – weight relationship, condition factor					
		III week	Breeding in Fishes, breeding places, breeding habits					
		IV week	Induced breeding in fishes					
		V week	Parental care in Fishes					
	Feb	I week	Embryonic and larval development of Fish.	Group Discussion	Teaching	16	Slip test	1

4.		II week	Embryonic and larval development of Shrimp.				Assignment	1
		III week	Environmental factors affecting reproduction and development of cultivable fishes					
		IV week	Endocrine system in fishes.					
5.	March	I week	Chromatophores & Molting in crustacean shell fish Molting in crustacean shell fish.	Quiz	Teaching	04	Slip test Assignment	1 1