

COLLEGE OF FISHERIES, KISAHNGANJ
BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA

Lecture Schedule for the Course No.: AQC-312 and Course Title: Culture and Post-harvest management of Makhana and Water Chestnut 1(1+0)

SL.NO.	TOPIC	No. of Classes
THEORY:		
1	Distributions and importance of Makhana (<i>Euryale ferox</i>) and Water Chestnut (<i>Trapa bispinosa</i>) and other important aquatic crops/ fruits of India.	2
2	Prospect and production trends of Makhana and Water Chestnut in India	1
3	Taxonomic classification, anatomical characteristics and reproduction processes of Makhana and Water Chestnut	1
4	Nutritional values (protein, lipid, carbohydrate, minerals etc.) of Makhana and Water Chestnut	1
5	Comparative analysis of Makhana cultivation in traditional/ natural pond ecosystem and under agriculture field-based system.	2
6	Preparation and cultivation method of Makhana (natural/ traditional pond condition and agricultural field based): nursery management, land preparation, fertilization & integrated nutrient management, water management, weed management and harvesting	3
7	Insect, pest and disease management in Makhana crop.	1
8	Processing and post-harvest management of Makhana: drying, grading, popping, polishing, packaging and storage	1
9	Marketing and value addition of Makhana and its products	1
10	Integrated Makhana or Water Chestnut with fish species: species selection, pond design, fish production	1
11	Scope and potentiality of Makhana culture under cropping system mode.	1
12	Complete analysis of Makhana in monoculture and under integrated and cropping system mode	1
13	Field visit to Makhana culture site and processing unit.	1
Total		17

Course Teacher

Sangeeta Kumari

(Sangeeta Kumari)

Dept. of Aquaculture