

Lecture Plan of FPT-511 Packaging of Fish and Fishery Products

Sl. No.	Topic of theory	No. of lecture	Name of the Course Instructor
1.	Food packaging. Purposes and procedures; technological aspects of packaging fishery products.	1	Dr. Md Aman Hassan
2.	Food packaging for transport, shipping and institutional supplies; Packaging materials; basic films and laminates, their manufacture and identification; resistance of packaging materials; development of protective packaging for fishery products	2	
3.	Transportation: Packaging requirements for transportation of live fish and shellfish.	1	
4.	Methods of testing for packaging materials for their physical properties; containers and their testing and evaluation;	2	
5.	Package designs; resistance of packages to hazards in handling; transport and storage	2	
6.	Standards: Packaging standards for domestic and international trade	2	
7.	Labeling and printing of packaging materials:	2	
8.	FSSAI requirements and BIS guidelines.	2	
9.	Intelligent packaging; edible packaging;	2	
10.	Disposal and recycling of packaging materials	1	
TOTAL		16	

Sl. No.	Topic of practical	No. of lecture	Name of the Course Instructor
1.	Determination of grammage of paper and board,	1	Dr. Md Aman Hassan
2.	Determination of bursting strength and burst factor,	1	
3.	Determination of punctures resistance, water proofness, stiffness of the board, ring stiffness of paper and board,	2	
4.	Determination of flat crush, tensile strength and elongation at break of	2	
5.	Determine density of plastic films, breaking length, impact strength of plastic films, tearing strength of paper	1	
6.	Determine density of plastic films, breaking length, impact strength of plastic films, tearing strength of plastic films,	2	
7.	Determination of water vapour transmission rate, oxygen transmission rate, heat seal strength, suitability of plastic films for food contact applications and	2	
8.	Identification of plastic films by burning test	1	
TOTAL		12	

Signature of Course Instructor