M.Sc.- II (Zoology) CBCS Pattern Semester-IV **PSCZOOT15.7 - Paper-XV - Special Group : Aquaculture-IV** (Fish Pathology and Fish Genetics)

P. Pages: Time: Thre		ours GUG/W/23/11 Max. Marks	
Notes		 All questions are compulsory. All questions carry equal marks. Draw well labelled diagram. 	
1.	Giv	e a detailed account on methods of Fish preservation.	16
		OR	
	a)	Biochemical composition of raw fish.	8
	b)	Fish preservation objectives.	8
2.	Exp	plain the effects of water pollution on fishes.	16
		OR	
	a)	Fish product and by product.	8
	b)	Rigor mortis and fish spoilage.	8
3.	Exp	plain in details about fungal, bacterial and protozoan diseases of farm fish.	16
		OR	
	a)	Nutritional diseases of fish.	8
	b)	Diseases caused by aquatic pollutants.	8
4.		te a detailed note on Gene banking and application of genetic engineering in aculture.	16
		OR	
	a)	Transgenic fish.	8
	b)	Cryopreservation of gametes.	8
5.	Wr	te a short notes on the following.	16
	a)	Nutritional value of preserved fish.	
	b)	Toxicity from fish as food.	
	c) d)	Crustacean diseases of farm fish. Fish genetic resources.	
	u)	1 ish genetic resources.	
