

**RAGHUNATHPUR COLLEGE**  
**DEPARTMENT OF ZOOLOGY**  
**UG SEM V CLASS TEST- 2023**  
**PAPER TITLE: Fish and Fisheries**  
**PAER CODE: BZOODSHC2**

**Full marks : 30**

**Time: 2 Hrs.**

**1. Answer any ten questions from the following:  $1 \times 10 = 10$**

- a) What are the different types of cages used in cage culture?
- b) Name two synthetic hormones used in induced breeding in carps.
- c) What is pen culture?
- d) What is hapa?
- e) Write scientific name of two exotic carp.
- f) Write two example of transgenic fish.
- g) How many gill arches are present in bony fish?
- h) What is inland fisheries?
- i) What is monosex culture?
- j) Write full form of CIFRI.
- k) Name a fish with ganoid scale.
- l) Why do sharks have Heterocercal tails?
- m) What is main function of pelvic fin?
- n) What is pen culture?
- o) What do you mean by Brood stock management?

**2. Answer any five questions from the following:  $2 \times 5 = 10$**

- a) Write differences between aquaculture, pisciculture and fishery.
- b) Write two advantages and two disadvantages of polyculture.
- c) Differentiate among extensive, semi-intensive and intensive culture of fish
- d) Write down any two fishery by product
- e) What are the uses of transgenic fish?
- f) What are Weberian ossicles?
- g) Distinguish between holobranch and hemibranch gills.
- h) Write two disadvantages of canning of fishes

**3. Answer any two questions from the following:  $5 \times 2 = 10$**

- a) Write the causative organism, symptoms and remedy of one protozoan and one bacterial disease of fish.  $2.5 \times 2 = 5$
- b) How does scales determine the age of the fish? What is Illicium and Esca? What is cephalic fin?  $2+2+1$
- c) Briefly describe procedure of Induced breeding of fish