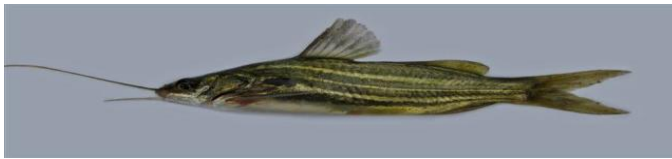


PG CBCS
M.Sc. Semester-I Examination, 2021
FISHERIES SCIENCE
PAPER: FSC 195 (PRACTICAL)
(CORE COURSE)

Full Marks: 50**Time: 4 Hours****Answer any TWO questions from the following:****2X25 = 50**

1. Identify the following fishes with taxonomical hierarchy, genus, and species characters: 5X5

A)



B)



C)



D)



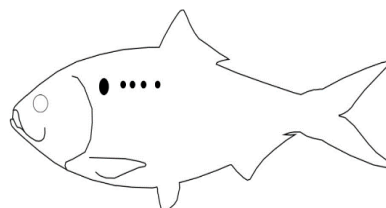
E)



2.

- a. Use the dichotomous key and the fish diagram to identify your unknown fish below. Once you have identified your fish and trophic level, write your answer in the box below and write characters. 5X3

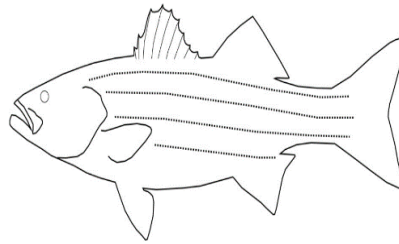
Trophic Level: Low/Medium/High



Who am I?

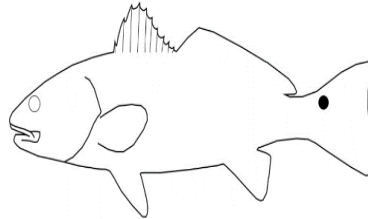
(2)

Trophic Level: Low/Medium/High



Who am I?

Trophic Level: Low/Medium/High



Who am I?

b. Identify the following specimen with taxonomical hierarchy, and specimen characters - 5X2

i)



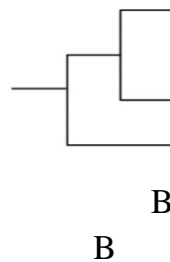
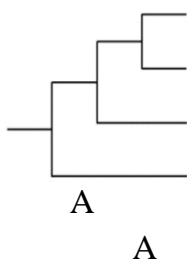
ii)



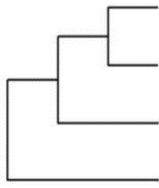
3.

a. Identify your unknown Phylogenetic tree. Once you have identified your Phylogenetic tree label the sister group, taxon, common ancestor, node & branches.

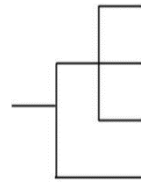
5X4



(3)



C



D

b. Identify the following specimen with systematics position and specimen characters: 5



4. What is the purpose of a DNA barcoding? Write down the process of Fish DNA Barcoding. 5+20
