

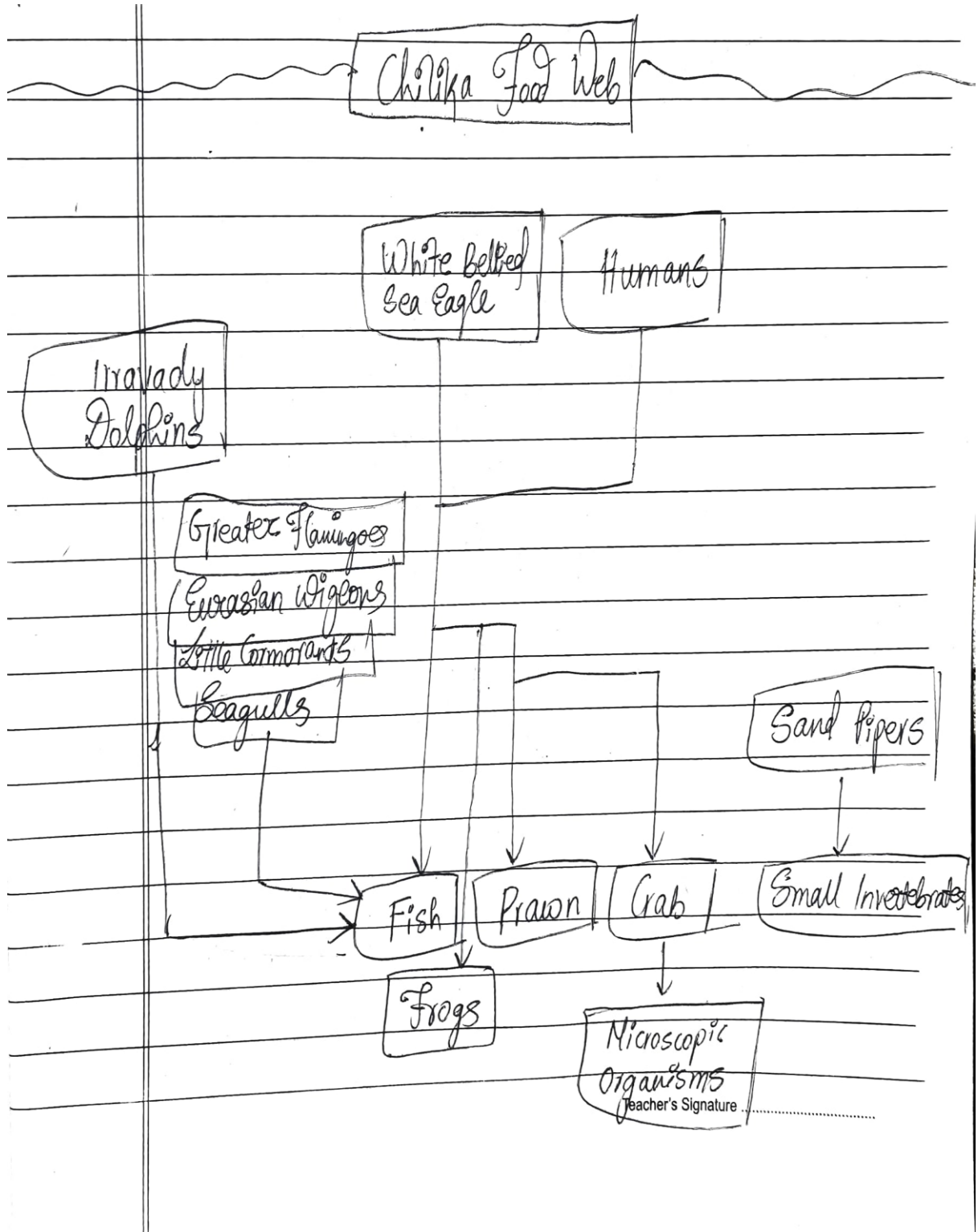
## ES ASSIGNMENT

UCSE21039

C.VISHWANATH

1) Create a food web of Chilika lake ecosystem.

Ans)



**2) Explain two human induced threats to this ecosystem.**

Ans) i) The passive fisher nets pose a serious problem to the top predator 'The White Bellied Sea Eagle'. Whenever it tries to catch fish it gets caught in a case of so near yet so far. It cannot risk itself to get tangled in the net.

ii) The Irravaddy Dolphins are also at the risk of being extinct due to the increased tourism in recent times due to which the sharp propellers can cut through the bodies of those poor creatures.

**3) How do we speed up the natural process of lake succession?**

Ans) We can speed up the process by reducing the human intervention by limiting the number of tourists by number and also reducing the fish catch to help the ecosystem multiply rapidly and to enhance the rate of natural succession.

**4) Why wetlands are known as the most productive areas?**

Ans) Wetlands play an crucial role in the ecosystem. The combination of shallow water, high levels of nutrients and primary productivity is ideal for the development of organisms that form the foundation of the food web and feed many species of fish, microorganisms and insects.

**5) Salient features of ecotourism.**

Ans) Some features of ecotourism are:

i) Involves travel to the natural destination and minimises the impact on the ecosystem.

ii) Builds environmental awareness

iii) Provides direct financial benefits for conservation and also empowers local people by respecting their culture.