INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY-WS Class XII A

Ch 11 Organisms and Population- Revision (Board Questions)

1.	In a pond, there were 20 Hydrilla plants. Through reproduction, 10 new Hydrilla plants were added in a year. Calculate the birth rate of the population.
2.	Why are cattle and goats not seen browsing on Calotropis growing in the fields?
3.	Provide an instance where the population size of species can be estimated indirectly, without actually counting them or seeing them.
4.	Pollinating species of wasps show mutualism with specific fig plants. Mention the benefits the female wasps derive from the fig trees from such an interaction
5.	Why do predators avoid eating monarch butterfly? How does the butterfly develop this protective feature?
6.	Name and explain the interaction that is seen between clown fish and sea anemones
7.	What is mutualism? Mention any two examples where the organisms involved are commercially exploited in agriculture.
8.	Koel is clever enough to lay eggs in a crow's nest. Write the reason for this peculiar behaviour. Name the type of interaction
9.	Apart from being a part of food chain, predators play other important roles. Mention any two such roles supported by examples.
10.	Explain the two defence mechanisms evolved in preys to avoid overpopulation of their predator.
11.	Explain parasitism and coevolution with the help of one example of each
12.	Predation is usually referred to as a detrimental association. State any three positive roles that a predator plays in an ecosystem.