

## NOTE-MAKING & SUMMARIZATION

Read the following passage carefully.

1. Biodiversity, or biological diversity, is crucial for the health and stability of our planet. It encompasses the variety of all life forms on Earth. It ranges from the smallest microorganisms to the largest animals, and the ecosystems they inhabit. This rich diversity ensures natural sustainability for all living things. It also provides us with essential resources, such as food, clean water, and medicines.
2. Forests, oceans, and rivers are home to countless species that play specific roles within their ecosystems. These roles include pollinating plants, decomposing organic matter, purifying water, and regulating the climate. For instance, bees pollinate crops and support food production. Whereas large forests, like the Amazon, act as the Earth's lungs. They absorb carbon dioxide and produce oxygen.
3. However, biodiversity is under threat from human activities. Deforestation, pollution, overfishing, and climate change are leading to habitat loss. This is resulting in species extinction at an alarming rate. This loss not only affects the natural world but also has dire consequences for human health and economies. For example, the decline in bee populations affects crop pollination, threatening food security. Similarly, there is widespread destruction of coral reefs. These are biodiversity hotspots, which impacts local fisheries and tourism industries.
4. Conserving biodiversity is vital for maintaining ecosystem services that humans rely on. Protected areas, sustainable practices, and conservation efforts aim to preserve species and their habitats. Moreover, restoring degraded ecosystems can help recover biodiversity levels and ecosystem functions.
5. The future of biodiversity depends on our actions today. Education and awareness about the importance of biodiversity can encourage conservation efforts. Innovative solutions like wildlife corridors can support biodiversity in urban areas. Additionally, international cooperation is essential for addressing global challenges like climate change and illegal wildlife trade.
6. Biodiversity enriches our planet and supports the survival of all living beings. By protecting biodiversity, we ensure a resilient and sustainable future for generations to come. As we move forward, the preservation of this natural heritage is a collective responsibility. It requires immediate and concerted efforts from individuals, communities, and governments worldwide.

On the basis of your **understanding** of the given passage, answer the following

- I. Make notes using headings and sub-headings. Use a suitable title to it.