Learning Activity 6

Instruction: Answer the following questions below with 3-5 sentences only.

1. Explain how floods affect the structure of riverside.

- Floods have a big effect on buildings along rivers, causing erosion, deposition, and changes in the plants that grow there. Floodwaters have enough power to change the shape of the riverbank and cause bank erosion. When floods go down, they leave behind sediment and other things that could become new land features. Floods can also damage buildings and mess up plants, changing the way both natural and man-made things look along rivers.

2. Describe the effects of floods to geographic structure of estuaries.

- Floods in estuaries can upset the delicate balance between salty and freshwater, changing the salinity levels and putting stress on species that have adapted to certain circumstances. Flooding can change where plants and animals live, which can change the organization of an estuarine environment. Floodwaters may transport debris, nutrients, and pollutants that can change the makeup of sediments, the amounts of nutrients, and the availability of habitats. This might lead to long-term problems. Estuarine ecosystems need to be saved from these impacts and kept in excellent condition through good management.

3. Explain the effects of standing water in a pond ecosystem.

- Stagnant water can have catastrophic impacts on a pond's environment. Reduced oxygen levels promote the growth of bacteria and algae, some of which are poisonous and have unpleasant odors. Some of the results of declining water quality include fish kills, aquatic life injuries, and a loss of biodiversity. Because stagnant water in ponds is bad for the ecology and makes the water unfit for human consumption, swimming, and recreational use, proper pond management and water quality preservation are of the utmost significance.

4. Explain the significance of ecosystem services.

- Ecosystem services are very important because they show how ecosystems help both people and the world in a wide range of ways. These services include providing things like food and water, managing things like the weather and diseases, supporting things like nutrient cycles and crop pollination, and providing cultural things like fun and beauty. When you understand the value of ecosystem services, you are able to observe how nature and human well-being are interconnected and dependent on one another. It also guides sustainable resource management, efforts for protecting the environment, and policy decisions aimed at maintaining healthy, functional ecosystems. This makes sure that both ecosystems and economies will have a more stable and prosperous future.

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