



Q – 2 Answer in short. (Attempt any seven) [14]

1. Enlist the major biomes in the world.
2. What is food web? Give an example.
3. Write a note on Taiga.
4. Differentiate commensalism and symbiosis.
5. What is greenhouse effect?
6. Write a short note on transformations by microorganisms.
7. Write the role of polychlorinated biphenyls on environment.
8. Differentiate DNA hypomethylation and DNA hypermethylation
9. What do you mean by metastasis?

Q – 3 (a) Give a detail account on the components of an ecosystem. [06]  
(b) Write an essay on the types of aquatic ecosystems. [06]

OR

(b) What is a Biome? Write about any four types of Terrestrial Biomes. [06]

Q – 4 (a) Define bio-geochemical cycle. Explain any two cycles exists in the ecosystem. [06]  
(b) Write a note on energy flow and various pyramids in the ecosystem. [06]

OR

(b) Explain Hydrosere in detail with example. Add a note on human influence on succession. [06]

Q – 5 (a) What is Biotoxin? Discuss in detail about any three biotoxins studied by you with suitable examples. [06]

(b) Give a detail account on transformations in animals and higher plants. [06]

OR

(b) Discuss in detail about the toxic effects of non-metallic elements in environment. [06]

Q – 6 (a) What do you mean by biomarker? Discuss in detail about the selection of biomarkers in event of toxic exposures. [06]

(b) Define apoptosis. Give a brief account on apoptosis due to exposure of arsenic and cadmium. [06]

OR

(b) Write a detail note on the role of environmental factors in carcinogenesis. [06]

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