

A/2051

Set-II

5922/MH

Paper II-Ecology

Max Marks -40

Time-3 Hours

Note- Candidates are required to attempt two questions from section-A and section-B. Entire section-C is compulsory.

Section-A

1. Write a short note on various components of an ecosystem.
2. What do you mean by biogeochemical cycle? Write a short note on nitrogen cycle.
3. Discuss about various models to explain the flow of energy in an ecosystem.
4. What do you mean by adaptation? Discuss briefly about behavioral and physiological adaptations in animals.

6x2=12 Marks

Section B

5. Write short note on various mechanisms to control population growth.
6. Differentiate between inter and intra specific interactions? Discuss briefly about competition, predation, and mutualism.
7. Discuss about conservation of renewable and non-renewable natural resources.
8. Discuss briefly about causes, impact, and control of noise pollution.

6x2=12 Marks

Section-C

1. Temperature as ecological factor.
2. Food chain.
3. Carbon cycle.
4. Scope of ecology.
5. Commensalism.
6. Control of water pollution
7. Nonrenewable natural resources.
8. Causes of soil pollution

2x8= 16Marks