

Ecology and Conservation Questions & Answers

Q1. Define ecology.

Ans. According to Haeckel (1869) ecology is “the science treating the reciprocal relations of organisms and the external world”. Warming (1905) defined ecology as “the study of organisms in relation to their environment”

Q2. Give the names of five foreign ecologists of international fame.

Ans. Haeckel, Warming, Odum, Clements, Taylor.

Q3. Give the names of five Indian workers on ecology.

Ans. R. Mishra, G.S. Puri, S.C. Pandeya, P.S. Ramakrishnan, R.S. Ambasth.

Q4. Define autecology.

Ans. The science dealing with the relation of individual species to its environment is called autecology.

Q5. What is synecology?

Ans. The study of the groups of organisms in relation with their environment is made under synecology.

Q6. What are the basic branches of synecology?

Ans. Population ecology, Community ecology, Biome ecology, Ecosystem ecology, etc.

Q7. What are the types of ecological factors?

Ans. Climatic factors (light, temperature, rainfall, humidity, etc.), Topographic factors, edaphic factors and biotic factors.

Q8. What is phytogeography?

Ans. The science which deals with the geographical distribution of plants is called phytogeography.

Q9. Define genecology.

Ans. The study of ecology which deals with the variations of species based upon their genetic potentialities.

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Q10. What are the chief topographic factors?

Ans. The important topographic factors are height of mountains, direction of mountains and valleys, steepness of the slopes, exposure of slope, etc.