



# CBSE Class 12 Biology

## Biodiversity and Conservation

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### Section 'A'

- Q.1.** India has more than 50,000 strains of rice. Mention the level of biodiversity it represents.
- Q.2.** Name the type of biodiversity represented by the following:
- (i) 1000 varieties of mangoes in India.
  - (ii) Variations in terms of potency and concentration of reserpine in *Rauwolfia vomitoria* growing in different regions of Himalayas.
- Q.3.** Identify 'a' and 'b' in the figure given below representing proportionate number of major vertebrate taxa.
- Q.4.** Name the type of biodiversity represented by the following:
- (i) 50,000 different strains of rice in India
  - (ii) Estuaries and alpine meadows in India.
- Q.5.** Name the unlabeled areas 'a' and 'b' of the pie chart representing the biodiversity of plants showing their proportionate number of species of major taxa.

### Section 'B'

- Q.6.** Giving two reasons explain why there is more species biodiversity in tropical Latitudes than in temperate ones.
- Q.7.** Differentiate between in situ and ex situ approaches of conservation of biodiversity.
- Q.8.** The above graph show Species-Area relationship. write the equation of the curve 'a' and explain.

- Q.9. List any four techniques where the principle of ex-situ conservation of biodiversity has been employed.**
- Q.10. Justify with the help of an example where a deliberate attempt by humans has led to the extinction of a particular species.**
- Q.11. Giving two reasons explain why there is more species biodiversity in tropical Latitudes than in temperate ones.**
- Q.12. In the biosphere, immense biological diversity exists at all levels of biological organization. Explain any two levels of biodiversity.**
- Q.13. Justify with the help of an example where a deliberate attempt by humans has led to the extinction of a particular species.**

### Section 'C'

- Q.14. Alien species are highly invasive and are a threat to indigenous species. Substantiate this statement with any three examples.**
- Q.15. Many plant and animal species are on the verge of their extinction because of loss of forest land by indiscriminate use by the humans. As a biology student what method would you suggest along with its advantages that can protect such threatened species from getting extinct?**
- Q.16. Alien species are highly invasive and are a threat to indigenous species. Substantiate this statement with any three examples.**
- Q.17. (a) 'In-situ' Conservation can help endangered/threatened species. Justify the statement.**
- (b) Name and describe any three causes of bio-diversity losses.**

### Section 'D'

- Q.18. (a) Taking one example each of habitat loss and fragmentation, explain how are the two responsible for biodiversity loss.**
- (b) Explain two different ways of biodiversity conservation.**



