



RAN-1100

B.Sc. (Semester - V) Environmental Science - XV Examination

March / April - 2019

Env : 505 - Biodiversity And Recent Development

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B.Sc. (Semester - V) Environmental Science - XV

Name of the Subject :

Env : 505 - Biodiversity And Recent Development

Subject Code No.: 1 1 0 0

Seat No.:

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Student's Signature

- (2) Figures to the right indicate the full marks.
- (3) Draw neat and labeled diagrams wherever necessary.

Que.1 Give specific answer for the each of the following:

[12]

1. What accounts for the greater ecological diversity of India?
2. How does species diversity differ from ecological diversity?
3. Define speciation. Give two examples of reproductive isolation.
4. Expand the term: SSR, IUCN.
5. What is an endangered species? Give an example of an endangered plant and animal species each.
6. How does alpha diversity differ from beta diversity?

Que.2 Comment on / Justify any two of the following: [12]

1. Biodiversity increase as species richness and evenness increase.
2. RFLP is non PCR marker.
3. Extinction of one species in an ecosystem could eventually lead to extinction of other species.

Que.3 Attempt any two of the following: [16]

1. Explain: Overexploitation of species.
2. Write a note on: Magnitude of biodiversity.
3. Explain in detail: Biodiversity values in agriculture.

Que.4 Write short notes on any two of the following: [10]

1. Biodiversity in tropical region.
 2. Key areas of biodiversity conservation.
 3. Exotic species.
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