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Roll No. 1593502692

B.Sc.(Bio-Tech.)-I Year

NS-3463

B. Sc. (Bio-Tech.) Examination, May 2016

Biodiversity

(B-109)

(New)

Time : Three Hours]

[Maximum Marks : 50

Note: Attempt Five questions in all. All questions carry equal marks.

1. Define Biodiversity and discuss about the factors responsible for the loss of biodiversity. 10

2. Give an account of Biodiversity of major ecosystems. 10

3. Discuss about the Global pattern of Biodiversity. 10

(2)

4. Explain the following :  $5 \times 2 = 10$

- (i) Species richness patterns
- (ii) Biogeography.

5. Explain the methods of cataloging and discovering species. 10

6. Attempt any two of the following :  $5 \times 2 = 10$

- (i) GAP analysis
- (ii) *In-situ* conservation
- (iii) CGIAR.

7. Write a note on the following :  $5 \times 2 = 10$

- (i) Biogeography
- (ii) Migratory species.

8. Discuss about the problems and issues in controlling international trade of threatened fauna. 10

9. Attempt any two of the following :  $5 \times 2 = 10$

- (i) Overexploitation
- (ii) FAO
- (iii) Local endemics
- (iv) Biosphere reserves.

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10. Discuss about techniques employed for the conservation of genetic resources. 10

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B.Sc. Bio-Technology Examination, May 2017

Biodiversity

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*Time : Three Hours ] [Maximum Marks : 50*

**Note :** Attempt any **five** questions. **All** questions carries equal marks.

1. Discuss the role of biotechnology in the conservation of Biodiversity. 10
2. Explain the followings: 5×2=10
  - (i) Merits of **in-situ** germplasm conservation.
  - (ii) Biosphere reserves.
3. Discuss about the geographical pattern of species richness. 10

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4. Write in detail about the common patterns of overexploitation in terms of biodiversity. 10
  5. Discuss about the following:  $5 \times 2 = 10$ 
    - (i) Free Trade & The Environment
    - (ii) Free Trade & Conservation
  6. Discuss about the fauna threatened by International trade. 10
- 3.
7. Discuss about the following:  $5 \times 2 = 10$ 
    - (i) GAP Analysis
    - (ii) FAO
- 4.
8. Attempt any 2 of the following:  $5 \times 2 = 10$ 
    - (i) Gene Banks
    - (ii) Red Data Books
    - (iii) Biosphere reserves
  9. Explain basic concepts of Ecosystem diversity. 10

10. Write a note on different methods of Measuring Biodiversity with suitable examples. 10

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B. Sc. (Biotech.)-I Year

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**NS-3463**

**B. Sc. (Biotechnology) Examination, May 2018**

**Biodiversity**

**(B-109)**

**(New)**

*Time : Three Hours]*

*[Maximum Marks : 50*

**Note :** Answer any *Five* questions. All questions carry equal marks.

1. Describe two major levels of biodiversity. 10
2. Describe two indices for measuring biodiversity with suitable examples. 10

(2)

3. Give a detailed account of characteristics of invasive species. 10
4. Discuss any two of the following : 5+5
- (i) Overexploitation
  - (ii) Deforestation
  - (iii) Soil erosion.
5. Give a detailed account of *in situ* and *ex situ* conservation methods of biodiversity. 10
6. Describe the different types of biome on the basis of their geography. 10
7. Discuss the role of the following : 5+5
- (i) Consortium of International Agricultural Research Centers
  - (ii) Food and Agriculture Organization of United Nations.

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*Refined*

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8. Write notes on any two of the following : 5+5
- (i) GAP Analysis
  - (ii) International Trade
  - (iii) Plant Genetic Resources.
9. Discuss the problems of pollution, globally affecting the biodiversity. 10
10. Explain the IUCN RED list categories for biodiversity and functions of IUCN. 10

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