

(20518)

Roll No.

B. Sc. (Biotech.)-I Year

## 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.

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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