

U.G. 6th Semester Examination-2022**BOTANY****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : BOT-H-DSE-T-03A****(Biodiversity and Conservation)**

Full Marks : 40

Time : $2\frac{1}{2}$ Hours*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** from the following: $2 \times 5 = 10$

- What are Ramsar sites? Give one example.
- What is CBD?
- Name two tree species of dry deciduous forest of India.
- What is DN value?
- Why resources are required in sustainable utilization?
- State the significance of "Red Data Book"?
- What are "indicator species"? Give one example.
- What is Access and Benefit Sharing?

2. Answer any **two** questions: $5 \times 2 = 10$

- Briefly state the strategies for management of water.
- Write a note on EIA.
- Comment on the Biological Diversity Act, 2002.
- Describe briefly the types of natural resources and their utilization.

3. Answer any **two** of the following questions: $10 \times 2 = 20$

- What are major and minor forest products? Comment on the reasons for depletion of forest and different strategies for its protection and restoration. $3 + 4 + 3$
- Define Biodiversity. State different levels of Biodiversity. Discuss in brief the significance of biodiversity. What is IPR? $2 + 3 + 3 + 2$
- State the role of GIS in conservation and management of natural resources. Discuss the strategies for management of biodegradable and non-biodegradable wastes. Comment on the significance of sacred groves. $3 + 5 + 2$
- What is ecological foot print? How carbon foot print of a nation is measured? Comment on the strategies to reduce the carbon foot prints of an area. $2 + 3 + 5$