

**U.G. 6th Semester Examination-2021****BOTANY****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : BOT-H-DSE-T-03A****(Biodiversity and Conservation)**

Full Marks : 40

Time : 2½ 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:  $2 \times 5 = 10$
- a) What is Stock resource? Give an example.
  - b) What is ecological footprint?
  - c) What is silviculture?
  - d) Name two minor forest products of Sundarban.
  - e) What is aquifer?
  - f) What are lacustrine and palustrine?
  - g) Name two biodiversity heritage sites of West Bengal.
  - h) Distinguish between GIS and remote sensing.

2. Answer any **two** of the following:  $5 \times 2 = 10$
- a) Compare renewable and non-renewable resources.
  - b) Explain bioprospecting with examples.
  - c) Write a note on CBD.
  - d) Describe the forest types of West Bengal.
3. Answer any **two** of the following:  $10 \times 2 = 20$
- a) Define sustainable development. What are the three pillars of sustainable development? Describe how environmental stability can be maintained by sustainable development.  
 $2+2+6$
  - b) Write notes on Land restoration and Land utilization.  
 $5+5$
  - c) Discuss the threats and management strategies of wetlands.  
 $5+5$
  - d) Define biodiversity. Discuss the threats of biodiversity. Classify species diversity.  
 $2+6+2$

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