



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 5th Semester Examination, 2021-22

**BOTADSE01T-BOTANY (DSE1/2)**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Candidates should answer in their own words and adhere to the word limit as practicable.  
All symbols are of usual significance.*

1. Answer the following questions: (**all** the questions are compulsory) 1×16 = 16
- Write two ecological uses of forests.
  - What is IUCN Red Data Book?
  - What is geothermal energy?
  - Write the full form of GIS.
  - What do you understand by horticulture?
  - Define natural resources.
  - What is the percentage of saline water on earth?
  - What do you mean by genetic diversity?
  - Why do we need IPR?
  - Write the importance of wet land.
  - Write the aim of natural resource accounting.
  - What is aquifer?
  - Define hydrological cycle.
  - Name the four biodiversity hot spots in India.
  - What are the causes of desertification?
  - What is biofuel?
2. Answer any **eight** questions from the following: 3×8 = 24
- What do you mean by pastoral land? What is its importance?
  - Give a brief account of different types of biodiversity.
  - Write a short note on traditional water management system.
  - What are the effects of deforestation?
  - Elaborate the regulative functions carried out by forest.

- (f) Write different forms of ground water and three adverse effects of ground water usage.
- (g) Explain briefly GIS and its application in environmental science.
- (h) Write a brief note on bioprospecting.
- (i) What is carbon footprint? — Explain.
- (j) Write a note on National Biodiversity Action plan.
- (k) Define estuary. Write its characteristics.
- (l) What are the goals of sustainable development?

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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