



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 5th Semester Examination, 2022-23

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
- (a) What is β (beta) diversity?
 - (b) Define Joint-Forest Management.
 - (c) What is the purpose of rainwater harvesting?
 - (d) Write the scientific name of one Critically Endangered Species.
 - (e) Define ecological footprint.
 - (f) What is the full form of UNEP?
 - (g) What are the two main benefits of natural resource management?
 - (h) What is e-waste? Give one example.
 - (i) Name two methods of soil conservation.
 - (j) What do you understand by Silviculture?
 - (k) Name two industries based on forest produce.
 - (l) What do you understand by sustainable development?
 - (m) What is meant by environmental impact assessment?
 - (n) Name one Ramsar site of India.
 - (o) What is the major non-renewable energy resources in India?
 - (p) How are forest cover useful for the protection of land?
2. Answer any *eight* questions from the following: 3×8 = 24
- (a) What is meant by watershed? Write an account on its management. 1+2
 - (b) Discuss the IUCN Red list categories and criteria. 3
 - (c) Write a short note on GIS. 3
 - (d) What are the importance of waste management? 3
 - (e) Write in brief about the pros and cons of renewable energy sources. 3
 - (f) Define eutrophication. Mention its different types. State one remedial measure for the abatement of the same. 1+1+1
 - (g) Write the full form of CBD. Discuss the role of CBD in addressing Wildlife issues. 1+2
 - (h) What is IPR? What are the benefits of IPR management? 1+2
 - (i) Give a brief account of forest status and management in India. 3
 - (j) Write a short note on threats to biodiversity. 3
 - (k) Write down the aims and objectives of BSI. 3
 - (l) Define soil degradation. What are the main causes of it? 1+2

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