



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 5th Semester Examination, 2020, held in 2021

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

**NATURAL RESOURCE MANAGEMENT**

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) Mention the percentage of fresh water contents on earth.
  - (b) What are aquifers?
  - (c) Write the full form of IUCN.
  - (d) What are the main objectives of CBD (Convention on Biological Diversity)?
  - (e) What is species richness and abundance?
  - (f) What is an eutrophic water body?
  - (g) Define a keystone species.
  - (h) Name a natural gas used as energy source.
  - (i) Define biopiracy.
  - (j) Mention two prime significance of estuaries.
  - (k) Why wetland is called the nature's kidney?
  - (l) Write down the full form of WBBDB.
  - (m) What is meant by NTFP?
  - (n) Give an example of inexhaustible natural resource.
  - (o) Give botanical names of two Petrocrops with their respective families.
  - (p) Define desertification.
2. Answer any **eight** questions from the following: 3×8 = 24
- (a) Explain the concept of bioprospecting.
  - (b) Discuss in brief the reasons for soil degradation.

- (c) Comment on the importance of wetlands.
- (d) Write a brief account on sustainable development.
- (e) Write a short note on ecological foot print.
- (f) What is the difference between renewable and non-renewable natural resources?
- (g) Write a short note on management of fresh water resources.
- (h) Write down the criteria of Biodiversity Hot Spots.
- (i) Write a note on renewable energy sources.
- (j) Write in short note about The Ramsar Convention.
- (k) State the role of remote sensing in vegetation mapping.
- (l) What are the aims and objectives of EIA?

**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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