

B.Sc. 4th Semester (Programme) Examination, 2021-22

ENVIRONMENTAL SCIENCE

Course ID: 41818

Course Code: SP/ENV/401/C-1D

Course Title: Biodiversity and Conservation of Biodiversity

Time: 1 hr 15 min.

Full Marks: 25

*The figures in the right hand side margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.*

- 1. Answer any five questions from the followings: 1 X 5=5**
- a) Define biodiversity.
 - b) What is frequency?
 - c) What is biomass estimation?
 - d) What is deforestation?
 - e) Define hydropower development
 - f) What is overgrazing?
 - g) What is Red Data book?
 - h) What is ecological restoration?
- 2. Answer any two questions from the followings: 5 X 2=10**
- a) Write on spatial patterns and temporal patterns in biodiversity.
 - b) Discuss on economic, social and ethical values of biodiversity.
 - c) Write on the importance of biosphere reserves and national parks.
 - d) Explain climate change and pollution
- 3. Answer any one question from the followings: 10 X 1=10**
- a) Explain organic evolution through geographic time scale. Discuss on types of speciation. 6+4
 - b) Give an account in role of local communities and traditional knowledge in conservation of biodiversity. Importance of biodiversity hotspots. 6+4