

**Ph. D. IN ENVIRONMENTAL
SCIENCE (PHDEV)**

Term-End Examination

June, 2026

REVE-007 : SUSTAINABILITY SCIENCE

Time : 3 Hours

Maximum Marks : 100

Note : (i) Attempt any *five* questions.

(ii) All questions carry equal marks.

1. Elucidate the temporal dynamics of human-nature interactions with suitable examples. 20
2. Define the term 'basic human need'. Establish the linkages between human needs for human survival and well being of the ecosystems with suitable examples. 5+15

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3. What is Sustainability Science ? Explain the genesis and recent development of Sustainability Science in India. 5+15
4. What is Landscape Ecology ? Explain the role of RS-GIS in Landscape Ecology. 5+15
5. Explain the socio-ecological importance of wetland ecosystem. 20
6. What is UN Sustainable Development Goals ? Explain any *two*. 10+10
7. Define Biomass Assessment. What are its ten commandments ? 5+15

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