

U.G. 2nd Semester Examination - 2021**ENVIRONMENTAL SCIENCE****[HONOURS]****Course Code : ENVS-H-CC-L-04****(Land, Soil Conservation and Management)**

Full Marks : 20

Time : 1 Hour

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

1. Answer any **five** of the following: $1 \times 5 = 5$
- Define soil sodicity.
 - What is meant by sustainable landuse planning?
 - Mention the pH range for agricultural soil.
 - Which procedure is most suitable for rectification of soil salinization?
 - What is the difference between sheet and gully erosion?
 - What is the importance of gypsum treatment of soil?
 - Mention the major causes of land degradation.
 - What is soil consistency?

2. Write short notes on any **one** of the following: $5 \times 1 = 5$

- Impact of land degradation
- Water holding capacity and its significance
- Desertification: Causes and consequences

3. Answer any **one** of the following: $10 \times 1 = 10$

- What is the difference between land use and land cover? What are the causes behind the changing pattern of land use and land cover in western part of Shivalik Himalaya? Suggest some remedial measures to control the changing pattern of land use and land cover in that particular area. $2+5+3$
- What are soil nutrients? Distinguish between macro and micro nutrients of soil. Discuss the process of recycling of soil nutrients. $2+5+3$
- What do you mean by soil conservation? State the methods of soil conservation. How do you promote conservation of soil in your locality? $2+5+3$
