

U.G. 2nd Semester Examination - 2022**ENVIRONMENTAL SCIENCE****[HONOURS]****Course Code : ENVS-H-CC-L-04****(Land, Soil Conservation and Management)**

Full Marks : 40

Time : $2\frac{1}{2}$ Hours*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: $2 \times 5 = 10$

- What is the economic importance of soil fertility?
- What is the difference between organic and inorganic soil colloids?
- Which factors affect the soil resistance?
- What are the environmental effects of land degradation?
- What are the effects of nutrient cycling?
- State the importance of land use planning.
- How can soil acidification be corrected?
- What are the physical properties of soil?

*[Turn over]*2. Write short notes on any **two** of the following: $5 \times 2 = 10$

- Economic valuation of land degradation
- Sustainable land use.
- Recycling of soil nutrients
- Classification of soil

3. Answer any **two** of the following: $10 \times 2 = 20$

- What are the factors of soil formation? What are the main components of soil fertility? How can we maintain soil fertility? $4 + 3 + 3 = 10$
- Define soil pollution. How mining is responsible for soil pollution? What measures can be taken to control and prevent soil pollution from mining? $2 + 3 + 5 = 10$
- What is desertification? Differentiate between desertification and deforestation. How does deforestation affect biodiversity? $2 + 3 + 5 = 10$
- State the different types of land uses? How does land use affect the environment? What are the main factors that cause land use change? $3 + 3 + 4 = 10$
