

U.G. 4th Semester Examination - 2021**Environmental Science****[HONOURS]****Generic Elective (GE)****Course Code : ENVS-H-GE-L-02****(Green Chemistry, Green Technology and Environmental Applications)**

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** from the following: $1 \times 5 = 5$

- a) Define biofuel.
- b) What is photovoltaic cell?
- c) State the significance of ecological label.
- d) What is end-of-pipe approach?
- e) Define ecological footprint.
- f) Define carbon sequestration.
- g) What is meant by green banking?

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

- a) Green energy: Opportunities and challenges
- b) Green chemistry: Principle and applications
- c) Concept of green city

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

- a) Define sustainable technology. Give an account on applications of green technologies in pollution control and resource management. $2 + 8 = 10$
- b) Explain the purpose of green belt. What are the roles of governmental bodies in green planning? $4 + 6 = 10$
- c) Define sustainable agriculture. Give an outline about green practices adopted in organic agriculture mentioning their environmental benefits. $2 + 8 = 10$
