

B.Sc. (Part - III) CBCS Pattern Semester-V
USENVDST10-Paper-X : Environmental Science-II
(Environment and Innovations)

P. Pages : 2

Time : Three Hours



GUG/W/23/13102

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

1. Describe various environmental issues and envisaged solutions. 10

OR

a) Define innovation and describe the waves of innovation. 5

b) Discuss about barriers and drivers of innovation. 5

2. Discuss free public transport and floating houses in rising sea as physical innovations. 10

OR

a) What are the benefits of on board carbon capture for vehicles. 5

b) How crops can be cultivated on city roof tops? 5

3. Explain following innovation in forestry. 10

i) Natural resource conservation in Mendha – Lekha village.

ii) Makku van panchayat in Uttrakhand.

OR

a) Explain the conservation of olive green turtles in India. 5

b) Write a short note on soil management. 5

4. Explain how water source management in Bhandara and Hiware Bazar is carried out. 10

OR

a) How electricity can be produced from rice husk and algae. 5

b) Write note on Bare Foot College. 5

5. Answer in brief **any ten.**

10

- a) Define environmental innovation.
- b) What is eco-efficiency?
- c) What is eco-industry?
- d) What is biodegradable ink?
- e) Which material is used to prepare the Vegan bottle?
- f) What are eco-surfactants?
- g) What are the mangroves?
- h) Name the activist associated with Beej Bachao Andolan.
- i) In which state are green turtles found?
- j) Write about Vigyan ashram.
- k) What does TERI stand for?
- l) Where is the Centre for Science and Village situated.
