

B.Sc. (Part-III) (CBCS Pattern) Semester - V
USENVDST-10 : Environmental Science Paper-II
(Environment and Innovations)

P. Pages : 2

Time : Three Hours



GUG/S/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) Describe innovation in production process. 5

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

OR

a) How extraction of water is done from atmosphere in hilly terrain? Explain it. 5

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

3. Explain in detail conservation of mangroves and olive green turtles in India. 10

OR

a) How natural resources are conserved in Mendha Lekha? 5

b) Discuss contribution of community in forest management in Orissa. 5

4. How water source management in Bhandara and Hiware Bazar is carried out? 10

OR

a) How electricity can be produced from algae. 5

b) Write note on Bare Foot College. 5

5. Answer in brief **any ten**. 10

a) Define environmental innovation.

b) State the barriers of eco-innovation.

c) What is eco-industry?

d) Which material is used in biodegradable ink?

- e) Write about greener mobile phones.
- f) What is solar cell?
- g) Name the activist associated with Beej Bachao Andolan.
- h) In which state olive green turtles are found?
- i) Where is Makku Van Panchayat Situated?
- j) Where Bare foot college is situated?
- k) What TERI stands for?
- l) Where is center of science for village is situated?
