

B.Sc. (Part-III) (CBCS Pattern) Semester-V
**USENV DST10 Paper-X - Environmental Science-II - Environment and
Innovations**

P. Pages : 1

Time : Three Hours



GUG/W/24/13102

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. Explain waves of innovations. Add a note on benefits of eco-innovations. **10**
OR
a) Describe types of eco innovation in detail. **5**
b) Discuss barriers and drivers of eco innovations. **5**
2. Discuss free public transport and floating house in rising sea as physical innovations. **10**
OR
a) Explain how water is extracted from the atmosphere in hilly terrain. **5**
b) Describe second generation biofuel for commercial flights. **5**
3. Discuss ecological principles for pest management. Explain how value addition for agriculture products is carried out. **10**
OR
a) Explain conservation of mangroves. **5**
b) With suitable example explain natural resource conservation. **5**
4. Discuss how management of water resources in Bhandara and Hiwre Bazar is carried out. **10**
OR
a) Explain generation of electricity from rice husk and algae. **5**
b) Describe role of Vigyan Ashram in production of low cost equipments for energy conservation. **5**
5. Answer in brief **any ten**. **10**
a) Define environmental innovations.
b) Explain significance of eco-innovations.
c) Write goals of environmental innovations.
d) What are vegan bottles?
e) What are eco-surfactants?
f) Briefly explain washing whiter without water.
g) What is Beej Bachao Andolan?
h) What is magnetized fly ash?
i) Briefly explain soil management.
j) Write full form of TERI.
k) Where Bare Foot college is situated?
l) Write where Centre of Science for village is located?
