

B.Sc. (Part-III) (CBCS Pattern) Sem-V
USENV DST-10 - DSE-X - Environmental Science Paper-II :
Environment and Innovations

P. Pages : 2

Time : Three Hours



GUG/W/22/13102

Max. Marks : 50

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

1. Discuss environmental issues and effective solution to it. 10

OR

- a) Mention and explain tools for innovation. 5
b) Explain determinant of eco-innovation. 5

2. Write detail account on following physical innovations. 10

- i) Free public transport.
ii) Floating house in rising sea.

OR

- a) Briefly explain washing whiter without water. 5
b) Explain biological innovation w. r. t. cultivating crops 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 Uttarakhand

OR

- a) Write a brief note on soil management. 5
b) Briefly explain conservation of mangroves. 5

4. Discuss following innovations w. r. t. water 10

- i) Water source management in Bhandara.
ii) Tank restoration – water women in Karnataka.

OR

- a) Write innovative activities of TERI. 5
b) Briefly explain patent procedure in India. 5

5. Answer in brief **any ten**. 1x10

- a) What is a goal of innovation? =10

- b) What is the meaning of the term eco – efficiency?
- c) Mention levels of eco – innovations
- d) Which material is used to prepare the Veganbottle.
- e) What is biodegradable ink?
- f) Explain working of the Seabin
- g) State ecological principle for pest management.
- h) What is magnetized fly ash?
- i) Give a short account on Beej Bachao Andolan
- j) Write activities of Centre of Science for Village, Wardha.
- k) Mention activities of Bare Foot college.
- l) What is a purpose of establishment of National Innovation Foundation?
