

B.Sc.(Part-III)(With Credits)-Regular-Semester 2012 Sem V  
**B.Sc.3520 - Environmental Science : Paper-II (Environment and Innovations)**

P. Pages : 2

Time : Three Hours



**GUG/W/16/3366**

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. What is innovation system? Give the process of innovation add a note on innovation in production. 10

**OR**

Describe physical innovations w.r.t. bloating house in rising sea and sustainable building material from solid waste. 10

2. Discuss the community forest management in Orrisa and Uttarakhand. Explain natural resource conservation w.r.t. Makku van panchayat in Uttarakhand. 10

**OR**

Discuss water source management in Bhandara and Hiware Bazar. 10

3. a) Write an informative note on Eco-industry. 2½  
b) Explain mine water power station. 2½  
c) Discuss ecological principles for pest management. 2½  
d) Briefly explain patent procedure in India. 2½

**OR**

- e) Discuss the significance of environmental innovation. 2½  
f) Write a note on free public transport. 2½  
g) What is the necessity of conservation of mangroves? 2½  
h) Discuss biogas units in Karnataka. 2½

4. a) Give the benefits of eco-innovation. 2½  
b) Write a note on running vehicles on alcohols. 2½  
c) Why conservation of olive green turtle in Orissa is essential. 2½  
d) Write a note on tank restoration in Karnataka. 2½

**OR**

- e) Explain determinant of eco-innovation. 2½
- f) Explain briefly traffic congestion reduction. 2½
- g) Discuss the methods of traditional biodiversity conservation. 2½
- h) Write a note on Mukti Sangharsh. 2½

5. Answer in 2-3 line **any ten.** **10**

- a) Give the types of eco innovation.
- b) Define environmental innovation.
- c) What is eco efficiency.
- d) What is natural farming?
- e) What is biodegradable ink?
- f) How eco surfactant works?
- g) What is magnetized fly ash?
- h) What is dry land farming?
- i) What is the aim of soil management?
- j) What is the contribution of III?
- k) Which is the thrust area of Bare foot college?
- l) Give the composition of biogas.

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