

B.Sc.(Part-III)(with Credits)-Regular-Semester 2012 Sem VI
B.Sc.4521 - Environmental Science : Paper-I (Environmental Management)

P. Pages : 2

Time : Three Hours



GUG/W/16/5638

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. Discuss the waste reduction techniques of solid waste w.r.t. recycling -paper and paper board and plastic and glass. 10

OR

What are the sources of waste water? Explain in brief preliminary treatment. 10

2. What is carbon trading? Give the role of UNFCCC and Kyoto protocol in green house gases mitigation.

OR

Discuss the origin of EIA. Give the objectives of EIA 10

3. a) How biomedical waste is managed? 2½
b) State the significance of nutrient removal in waste water treatment. 2½
c) Write a note on environmental management system. 2½
d) How green belt development around an industry can be developed? 2½

OR

- e) Discuss the factors affecting solid waste generation. 2½
f) Explain the concept of reverse osmosis. 2½
g) Write a explanatory note on CDM. 2½
h) Explain the benefits of Environmental audit. 2½
4. a) Explain in brief sanitary landfilling. 2½
b) Write an informative note on solid removal in waste water treatment. 2½
c) Describe pollution reduction at source. 2½
d) Give the objectives of environmental audit. 2½

OR

- e) Give the method of collection of solid waste. 2½
- f) What is screening of waste water? What is its use? 2½
- g) Discuss the concept of ecological foot print. 2½
- h) Describe the procedure for carrying out environmental audit. 2½
- 5. Answer in 2-3 line any ten. 10**
- a) Define Solid waste.
- b) What is hazardous waste?
- c) Give the examples of E-waste
- d) Why flow measurement is necessary in waste water treatment?
- e) What is sedimentation?
- f) State the importance of UV filtration in waste water treatment.
- g) What is carbon credit?
- h) What are cleaner technologies?
- i) What is polluter pay principle?
- j) Define environmental audit.
- k) Give the fullform of EIA.
- l) What is scoping for EIA?
