

B.Sc. (Part-III) (NEW CBCS Pattern) Sem-VI
USENV DST-13 - Paper-XIII : Environmental Science-I :
Environmental Management

P. Pages : 1

Time : Three Hours



GUG/W/22/13353

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Diagrams and Chemical equation should be given wherever necessary.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

1. Describe factors affecting solid waste generation. 10

OR

 - a) Explain sanitary land filling. 5
 - b) Write an explanatory note on nuclear waste. 5
2. Discuss primary treatment of wastewater w.r.t. screening and grit removal. 10

OR

 - a) Explain up-flow anaerobic sludge blanket reactor 5
 - b) What is activated sludge? Explain it. 5
3. Discuss material modification and end of pipe technology as cleaner technologies. 10

OR

 - a) Explain polluter pay principle. 5
 - b) Write about pollution reduction at source. 5
4. Discuss elements of the EIA process. 10

OR

 - a) Give the objectives of environmental audit. 5
 - b) Briefly explain procedure for carrying EA. 5
5. Answer in brief **any ten**. 10
 - a) Define solid waste.
 - b) Define hazardous waste.
 - c) What is E-waste?
 - d) State the source of waste water.
 - e) What is reverse osmosis?
 - f) Give the fullform of CETP.
 - g) What is ecolabelling?
 - h) Give the fullform of UNFCC.
 - i) What is CDM?
 - j) State the objectives of EIA.
 - k) Define EA
 - l) What is EIS?
