

S.Y.M.Sc.(Biotechnology) Fourth Semester Old
BT4-T014-Paper-II: Applied Environmental Biotechnology & Ecology

P. Pages : 1

Time : Three Hours



GUG/W/18/2355

Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.

1. Discuss different methods for measurement of water pollution. 16

OR

Discuss two laboratory methods for detection of pathogenic micro-organism.

2. Discuss various biological waste water treatment. 16

OR

Write short notes on:

- a) Waste water treatment by biofilms.
- b) Treatment scheme of dairy industry.

3. Discuss the biomethylation of mercury and arsenic. 16

OR

Write a note on:

- a) Bio absorption and bioleaching of lead.
- b) Advantages and disadvantages of bioleaching.

4. What are mineral resources. Reflect conservation of mineral resources. 16

OR

Write an account on:

- a) Protective and exploitative forestry.
- b) Tiger reserve in India.

5. Write short note on: 16

- a) Technique to detect fecal and non-fecal bacteria.
- b) Different types of waste water treatment.
- c) Biodegradation of synthetic dyes.
- d) Cryopreservation.
