

2018

Time : 2 hours

Full Marks : 40

Answer any four questions

All questions carry equal marks

Candidates are required to answer in their own words
as far as practicable

(ENVIRONMENTAL BIOTECHNOLOGY)

1. Write a detail note on environmental biotechnology and its current status.
2. (a) Natural balance.
(b) Bio-chemical transformation.
3. Describe aerobic process of waste water treatment.
4. (a) Anaerobic sludge blanket reaction.

(b) Treatment scheme for chemical and antibiotic industry.

5. What are biosensors ? Describe the role of biosensors in environment monitoring.

6. (a) Bio-augmentation.

(b) Heavy metal pollution.

7. Write a detail note on treatment and phytoremediation of industrial effluents.

8. (a) Xenobiotic.

(b) Bioenergy application.