

Code No. 3348

FACULTY OF SCIENCE
B.Sc. VI-Semester (CBCS) Examination, May / June 2019

Subject : Bio-Technology

Paper – VIII (B) (DSE E-2) : Environmental Biotechnology

Time : 3 Hours

Max. Marks: 60

PART – A (5 x 3 = 15 Marks)
(Short Answer Type)

Note : Answer any FIVE of the following questions.

- 1 Inorganic pollutants.
- 2 Biotic sources of pollution
- 3 Renewable sources of energy
- 4 Fossil fuels impact on environment
- 5 Ex situ bioremediation
- 6 Phytoremediation
- 7 Biodiesel
- 8 Biodiversity conservation

PART – B (3 x 15 = 45 Marks)
(Essay Answer Type)

Note: Answer ALL from the questions.

- 9 (a) What is environmental pollution? Discuss different sources and types of pollution.
OR
(b) Describe in detail the impact of pollution on global warming and climate change.
- 10 (a) What is lignocellulosic biomass ? Describe in detail the production of bioethanol from lignocellulosic biomass.
OR
(b) Describe in detail the production of biomethane and biohydrogen.
- 11 (a) What are xenobiotic compounds? Discuss the microbial bioremediation of xenobiotics.
OR
(b) Explain in detail the microbial treatment of industrial effluents.
