

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

T-1 EXAMINATION- Feb 2019

B. Tech/M. Tech. (BTDD)

COURSE CODE: 10B1WBT737

MAX. MARKS: 15

COURSE NAME: Environmental Biotechnology

COURSE CREDITS: 3

MAX. TIME: 1 Hr

*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Use of calculator is allowed.*

Q1 Define the following terms. (1×3= 3 marks) CO I

- (a) Pollutants
- (b) Biosensor
- (c) Biofuel cells

Q 2 What is intrinsic bioremediation? Explain with the help of an example. (2 marks) CO II

Q 3 Why pollutants are getting accumulated in the ecosystem? Explain briefly. (2 marks)

CO I

Q 4 Write a short note on plastic pollution on the earth. What are its adverse effects on marine and terrestrial life? (3 marks) CO I

Q 5 Define bioremediation. Describe the various factors which influence the rate of bioremediations. (5 marks) CO II