

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

T-1 EXAMINATION- Feb 2020

M.Sc. 2<sup>nd</sup> Semester

COURSE CODE: 18MS1BT215

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.*

Section I

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

- (a) Hazardous waste
- (b) Biopiles
- (c) Plant incorporated protectants

Section II

Q 2 Write a short note on plastic pollution on the earth. What are its adverse effects on marine and terrestrial life? (2 marks) CO I

Q 3 What are biopesticides? Discuss the advantages and examples for various commercially used biopesticides. (2 marks) CO I

Q 4 What is phytoremediation? Explain the different types of phytoremediation? (2 marks) CO II

Section III

Q 5 Answer the following

- (a) Write a brief note on bioventing and bioaugmentation. Describe the various factors which influence the rate of bioventing process. (3 marks) CO II
- (b) Discuss the various types of insecticides on the basis of their mode of action. (3 marks) CO II