

T-2 EXAMINATION- April 2019

B. Tech/M. Tech. (BTDD)

COURSE CODE: 10B1WBT737

MAX. MARKS: 25

COURSE NAME: Environmental Biotechnology

COURSE CREDITS: 3

MAX. TIME: 1.5 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.

Q No. 1 Discuss the origin and role of actinovate in biocontrol technology. (CO III) (2 marks)

Q No. 2 Discuss the methods for recovering energy and materials for recycling from municipal solid waste. (CO II) (3 marks)

Q No. 3 What are biofilters? Discuss the principles and operation of a biofilter. (CO IV) (3 marks)

Q No. 4 What are the harmful effects of lead and mercury metal ions on living organisms released in the industrial effluents (CO IV) (4 marks)

Q No. 5 Discuss the roles of dehydrogenases and cellulases in maintaining soil health (CO III) (2+2= 4 marks)

Q No. 6 What are Bio-fertilizers? Discuss the various types of Bio-fertilizers with appropriate examples. (CO III) (4 marks)

Q No. 7 Write a brief note on followings. (CO V) (2.5+2.5= 5 marks)

- (a) Medical waste management.
- (b) E-waste management