



EASTERN UNIVERSITY, SRI LANKA

FINAL YEAR EXAMINATION IN AGRICULTURE (500 SERIES) - 2000/2001

AEN 432 WASTE TREATMENTS

Answer All questions
Time allowed : 3 hours

1. Discuss the process of Pyrolysis as a means of treating solid wastes.
2. Clearly describe the Gasification process indicating the chemical reactions taking place.
3. Write short notes on
 - a. Primary treatment of liquid waste
 - b. Trickling filter and its operation
 - c. Sequence of operation for sludge treatment
4. Discuss the importance of methanogenesis in the anaerobic treatment of wastewater
5. Clearly describe the Anaerobic Baffled Reactor (ABR) and its capability in treating different industrial effluents