

BSc in Export Agriculture
Fourth Year First Semester Examination- July/August 2019
Agricultural and Food Waste Utilization Technology (EAG 441-2)
Essay Questions

Instructions:

Answer all questions in the given booklet.

No. of questions : Four (04)

No. of pages : One (01)

Time : Two (02) hours

Total marks allocated : 100%

01. Livestock production in developing countries has increased rapidly during last decades due to increasing population growth, urbanization, life style changes and increasing per capita income. This emerging trend leads to production of large quantities of waste near urban areas. Therefore, livestock farmers have to proceed with a proper waste management plan in order to comply with the legal requirements of waste disposal. Suggest suitable waste management techniques/ options for livestock farm after proper identification of sources and types of waste generate in the farm.

(25 marks)

02. "Tertiary treatment is the final cleaning process of wastewater treatment which improves the quality of treated wastewater". Justify the given statement.

(25 marks)

03. Briefly explain, how the 3R approach is applied in agricultural waste management.

(25 marks)

04. Write short notes on any two (02) of the following topics.

(I) Composting

(II) Bioremediation

(III) Waste Hierarchy

(12.5 marks × 2 = 25 marks)

[End of Paper]