

UNIVERSITY OF AGRICULTURE, ABEOKUTA
COLLEGE OF PLANT SCIENCE AND CROP PRODUCTION

DEPARTMENT OF HORTICULTURE

SECOND SEMESTER EXAMINATION 2009/2010 SESSION

HRT 508: ORGANIC AND URBAN FARMING TIME ALLOWED: 2 Hours

INSTRUCTION: Answer any four Questions

1. (a) Enumerate five natural enemies with potentials for pest management in an organic vegetable field.
(b) Give the rule of thumb in an organic pest management.
(c) Explain briefly the role of biodiversity in pest control in an organic farm.
2. (a) (i) List the properties of a soil that has a good biological condition.
(ii) Give reasons for the maintenance of soil in good biological condition in an Organic system.
(b) (i) State the benefits derivable from a legume-cereal intercrop.
(ii) Define land equivalent ratio (LER).
3. (a) Give a detailed description of the steps involved in making a high quality compost.
(b) List the benefits of composting.
4. (a) What is agro-forestry?
(b) Enumerate the contributions of agro-forestry to the soil and the environment.
(c) Discuss the relevance of livestock in an organic crop production system.
5. (a) Briefly describe the concept of an organic urban farming.
(b) Highlight the benefits of "5a" above.
6. Write briefly on the following stating their advantages or otherwise
(i) Shifting (ii) Cultivation
(iii) Fallow system (iv) Crop rotation
(v) Green manures (vi) Bush burning
7. (a) What are the driving force of an organic agriculture?
(b) Define the following in an organic agriculture practices
(i) Certification
(ii) Traceability
(iii) Enthrophication