



ELIZADE UNIVERSITY,  
ILARA-MOKIN, NIGERIA

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2020/2021 ACADEMIC SESSION

COURSE CODE: EMT 403

COURSE TITLE: Environmental Aspects of Farming Systems

COURSE Unit(s): 2 Units

DURATION: 2 hours

Utted  
15/03/2021

HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTIONS Answer question 5 and any two questions.

1a. What are the environmental and health problems associated with irrigation farming?

b. Explain the various factors to be considered when planning an irrigation project.

**20 Marks**

2. Write short note on the followings:

a. Bush burning

b. Shifting cultivation

c. Over-grazing

d. Mixed farming

e. Mixed cropping.

**20 Marks**

3a. Enumerate factors to consider in multiple cropping to achieve a success.

3b. What are the objectives of farming systems and how can these objectives be achieved?

3c. Outline ten (10) attributes of a tree or shrub species to be considered for alley cropping. **20 Marks**

4a. Explain the environmental factors affecting livestock production in details.

4b. What are the basic principles of crop rotation?

**20 Marks**

5. The United Nation Food and Agriculture Organisation (FAO) has expressed concern over the increasing rate of deforestation in the country. As an environmental scientist, suggest to the Governor of your state the strategies that could be adopted to combat the problem of deforestation in your state. **20 Marks**