



NATIONAL OPEN UNIVERSITY OF NIGERIA

**University Village, Nnamdi Azikwe Express Way, Plot 91,
Cadastral Zone,
Jabi, Abuja**

Faculty of Agricultural Sciences

FIRST SEMESTER EXAMINATION: June/July

COURSE CODE: CRP309

COURSE TITLE: Arable Crops Production (2 Units)

ANSWER ANY FOUR QUESTIONS IN 2 HOURS

Question One

- a) Give a description of annual crops according to
 - (i) Longevity/life span (ii) Growth pattern/ crop architecture
 - (b) classify annual crops according to uses.
- (c) Use Scientific names only to list at least any two crops that can be propagated using (i) sexual and (ii) a-sexual processes.

Question Two

- a) List, (using the scientific names only of) any two arable crops in each category of uses.
- b) List any two crops in the category of (i) annual (ii) bi-annual crops
- c) Write short note on the following: (i) Sexual reproduction (ii) Asexual reproduction

Question Three

- a) List any five climatic to be considered in setting up an arable field

- b) List any five edaphic factors to be considered in setting up an arable field.
- c) Explain the advantages of having a good seed bed preparation

Question four.

- a) Write a short explanatory note on each of the following
 - (i) Weeding.(ii) Mulching (iii) Thinning (iv) Supplying (v) Pruning (vi) Staking
- (b) Any 2 groups of organisms causing plant diseases or reduction in crop yield.

Question five

- a) List any four mineral fertilisers used in the production of arable crop.
- b) Elements found in fertiliser
- c) Describe four methods of fertiliser application

Question six

- a**i) Describe harvesting
- a ii) Four tools for harvesting **b**) List of four harvest indices c) Four primary processing methods