



**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: ACP 301**  
**COURSE TITLE: ARABLE CROP PRODUCTION (2 Units)**  
**TIME: 2HOURS**

**ATTEMPT 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)** Describe harvesting

aii) Four tools for harvesting

**b)** List of four harvest indices c) Four primary processing methods