



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**MARCH/APRIL 2016 EXAMINATION**  
**SCHOOL OF AGRICULTURAL SCIENCES**

**Course Code: CRP309**  
**Course Title: Arable Crops Production**  
**Time Allowed: 2 HOURS**  
**Instructions: ATTEMPT ANY FOUR QUESTIONS**

1a) 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.

2a) 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

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- 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

4a) 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.

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- 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

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ai) Describe harvesting

aii) Four tools for harvesting

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